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The CHEMIST AND DRUGGIST
or RETAILER — WHOLESALER — MANUFACTURER
MARCH 31, 1951

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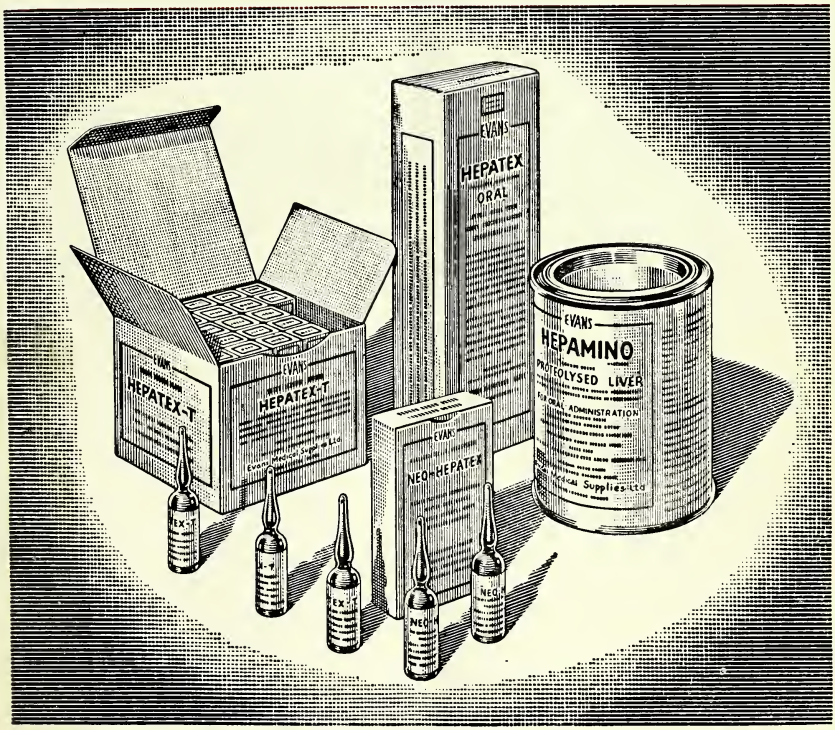

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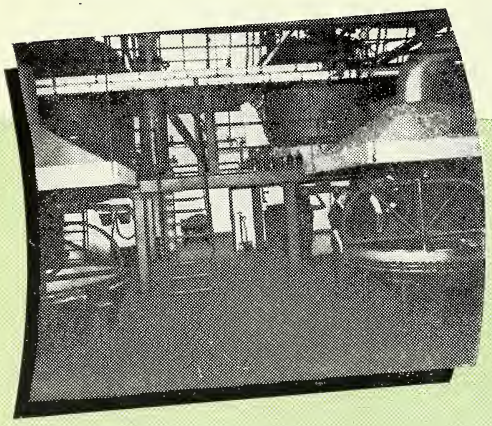

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for RETAILER — WHOLESALER — MANUFACTURER
MARCH 31, 1951
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NEWS OF THE WEEK

World Health Day.—The World Health Organisation has fixed April 7 as the World Health Day. "Health for your Child and the World's Children" is to be the theme.

Radio-chemical Sales. — Products sold by the Ministry of Supply's Radio-chemical Centre in the year to March 31, 1950, amounted to £79,654, against £34,701 in the previous year.

British Standards Exhibition.—To mark the golden jubilee of the British Standards Institution which is to be celebrated this year, an exhibition supported by practically the whole range of British industry will be held at the Science Museum, South Kensington, London, June 18-30 inclusive.

Morphine on Trains? — A plea for emergency supplies of injectable morphine to be kept on long-distance passenger trains was made in a letter to "The Times" on March 26 by Dr. D. D. Payne, Harrogate, a passenger on a train that was derailed at Doncaster recently.

Tax on Hair-wave Accessories.—The Treasury has made the Purchase Tax (No. 4) Order, 1951 (S.I., 1951, No. 459) effective from March 31, which brings hair-waving lotions and bleaches and permanent waving outfits within the group of products chargeable with purchase tax at the rate of 100 per cent.

Anglo-German Patents.—The Governments of Britain and the Federal Republic of Germany have agreed to extend until May 31 the time for making belated applications for United Kingdom patents, basing the priority on a corresponding application deposited in filing offices at Darmstadt or Berlin, provided that the application continues to be dealt with by the Patent Office of the Federal Republic. Extensions have been granted by the Republic for making applications in that country founded upon applications in the United Kingdom. The agreement is given effect by the Patents (Extension of Time) (Federal Republic of Germany) Rules, 1951.

Instruction on Isotopes. — An atomic energy school to teach workers in industrial and medical laboratories how to use radioactive materials is to be set up at the

Atomic Energy Research Establishment, Harwell. The first course, lasting six weeks, begins on April 2, and will be in charge of Dr. J. E. Johnston, of the Establishment's isotope division. It will give students of graduate level detailed instruction in the fundamental, practical and theoretical problems encountered when radioactive materials are used in the quantities employed in a normal laboratory. Twelve students will be accepted on each course. The fee for the course is £40.

Sulphur from U.S.A.—The U.S. Department of Commerce announced on March 26 that the United States has granted Britain an additional 19,000 tons of sulphur to meet the immediate shortage. The extra supplies were part of a 30,000-ton supplementary export quota for Marshall plan countries. Discussions on the United Kingdom's sulphur requirements opened in London on March 27 between Board of Trade officials and two United States experts in the industrial use of sulphur, Dr. F. J. Curtis (vice president, Monsanto Chemical Co.) and Mr. E. B. Lopker (director of engineering, Blockson Chemical Co.), consultants to the European Co-operation Administration.

Easter Conferences.—At the annual conference of the Co-operative Party at New Brighton on March 23, a resolution was passed urging the Government to "introduce without delay a Bill to give effect to the recommendations of the Lloyd Jacob Committee on resale price maintenance." Mr. J. Rankin, M.P., said that a statement on price maintenance would be made "just after Easter."—Speaking at the annual conference of the Union of Shop, Distributive and Allied Workers, Mr. Walter Padley, M.P., said that all attempts to extend shopping hours would be fought by the union. "Shift and rota systems are utterly impracticable in trades where on average the number of workers per shop is one-and-three-quarters." It was decided to press for a £6 10s. minimum weekly wage for shop workers.

Import Licensing Changes.—The Board of Trade announces, from March 28, many additions to the list of goods freely importable from all (i.e., including hard currency) countries. The list includes the following:—Beeswax; candelilla wax; chenopodium (wormseed oil). Under the heading "Drugs and the like, raw or simply prepared," the following are added: Aletris root; angostura bark; balm of Gilead buds; bayberry bark; black cohosh root; black haw bark; blood root; cocillana bark; condurango; damiana leaves; deer tongue leaves; echinacea root; gelsemium root; gossypium root bark; grindelia herb; gum elemi; hydrastis root; ipecacuanha root; kava kava; leptandra root; lobelia; mandrake (*peltatum*); matico leaves; passion flower herb; pleurisy root; poke root; prickly ash bark; *Rhus aromatica;* sabadilla seeds; saw palmetto berries; sassafras bark; scullcap herb; serpentaria root; simaruba; slippery elm bark; stillingia root; stone root; wahoo bark; white pine bark; wild cherry bark; witch hazel bark; witch hazel leaves; yerba santa. Isinglass; japan wax; loofas; mustard seed; petroleum jelly; petroleum sulphonates; pine oil; sponges, natural, are also added.

LOCAL NEWS

Durham County Dinner.—At the recent annual dinner of the Durham County Branch of the Pharmaceutical Society, Miss J. Swinbank (president of the Branch) proposed "The Pharmaceutical Society," and Miss M. A. Burr (a member of Council) replied. A collection in aid of the Benevolent Fund realised £3.

Northampton Branch Dinner. — The principal guest at the annual dinner of the Northampton Branch of the Pharmaceutical Society, held recently, was Mr. W. J. Tristram (a member of the Society's Council). Mr. R. Nottingham (president of the Branch) proposed a toast to the first president of the Branch: Mr. J. Flinton Harris, J.P., now in his eightieth year.

Lecture on Chloromycetin.—A meeting of the Isle of Thanet Branch of the Pharmaceutical Society at Broadstairs recently, attended by doctor and dentist guests, was addressed by Dr. R. Hodgkinson (Parke, Davis & Co.) on chloromycetin. During the course of the lecture Dr. Hodgkinson said that work was proceeding regarding the use of the drug in eye infections. A more soluble form of the drug was hardly necessary since it had been found to be present in the blood stream in effective amounts two hours after administration.

Science in Crime Detection.—The use of science in the detection of crime was described by Mr. G. E. Turfitt, D.Sc., Ph.D., F.R.I.C. (deputy director and toxicologist, Metropolitan Police Laboratory) at a meeting of the Hendon and Edgware

Branch of the Pharmaceutical Society recently. While the majority of convictions were still, he said, the result of painstaking police work, science was able to help in detection by providing linking evidence in the chain of facts. Such details as the differences between hairs from animals of various kinds, *x*-ray examinations of metal for changed punch marks, examination of bullet wounds to determine distance of firing, etc., were examples of the methods in use.

Liverpool Chemists' Dinner. — The annual dinner and dance of the Liverpool Chemists' Association and Branch of the Pharmaceutical Society was held on February 28; 185 persons attended. Mr. W. E. Shepherd (president of the Association), from the chair, read a telegram of greetings from the Reading Branch whose annual dinner was being held on the same night. Mr. J. P. Murphy (vice-president of the Association) proposed the toast "The Pharmaceutical Society," and Mr. A. A. Meldrum (president of the Society) replied. Mr. P. Varley, responding to the toast to "The Guests," proposed by Alderman W. J. Tristram, referred to the question of oncost cut in respect of drugs under the National Health Service. He hoped that they would satisfy the Ministry that they should have at least 33⅓ per cent. oncost. Mr. H. W. Cottle (secretary of the Association) was director of ceremonies at the dinner.

South Wales Pharmaceutical Committees.—At a meeting of the Federation of Pharmaceutical Committees for South Wales and Monmouthshire held at Swansea recently, the following officers were elected: *Chairman,* Mr. W. Oswal Davies; *Vice-chairman,* Mr. David Morris; *Minute Secretary,* Mr. J. M. Lewis; *Secretaries,* Messrs. W. Parry Williams, Penarth, and W. J. Evans, Cardiff. The admission of unsuitable persons to Part 2 list of contractors and the denial of any power to executive councils to refuse such applications was discussed. It was resolved that pharmaceutical members of executive councils should request that the matter be discussed with a view to the Association of Executive Councils asking the Ministry of Health to secure an amendment of the Regulations on that point. Further resolutions passed were as follows:—

That we strongly urge the Central N.H.S. (Contractors) Committee to (1) press the Ministry to amend Form E.C.34 (part B) so that the total ingredient cost and total dispensing fees for both the "S" and "A" bundles of scripts be shown separately; and (2) to take all steps to see that the Ministry drops the suggestion of a ceiling on oncost.

That we resent the alteration of the findings of pharmaceutical and joint service committees by the Ministry (unless an appeal has been lodged) and ask that such cases be referred back to the respective service committee with the reasons for reference.

SCOTTISH NEWS

No Seekers for Pharmacy Site.—Dundee housing committee received no applications from chemists to take a site for a shop at St. Mary's housing area, and is now prepared to build a shop to let in an endeavour to attract a chemist. The Committee was told by a deputation, representing 500 tenants, that a chemist's shop was urgently needed.

Dunbarton Contractors Demand Action.—A meeting of the Dunbartonshire Pharmaceutical Committee on March 23 sent forward a resolution to the Pharmaceutical General Council for Scotland urging that the Council should organise a mass withdrawal of chemists from the National Health Service "until all arrears of payment had been settled." Mr. G. H. Fellows said that part payment of arrears which had accumulated over the fifteen months to December 1950 had been made, but nothing had been received for prescriptions dispensed during January or February. The resolution further urged that pharmacists' services should be withdrawn until their representatives were satisfied by personal inspection of the pricing bureau and other machinery that the commitments entered into could be carried out. Telegrams announcing the Dunbarton committee's decision were sent to the two local Members of Parliament and to Mr. Winston Churchill (leader of the Opposition).

Curbing Extravagant Prescribing.—More effective steps to deal with extravagant prescribing of drugs and appliances under the National Health Service are outlined in a circular just issued by the Department of Health for Scotland to Executive Councils and local medical committees. The circular states that a selection of prescriptions dispensed each month will be specially examined for evidence of extravagance and a note of them will be passed to the local medical committees. Prescriptions which may be considered extravagant include those containing proprietary preparations which are advertised direct to

the public or are not of recognised therapeutic value, or for which less expensive standard equivalents are available, and prescriptions for unduly large quantities of drugs or dressings. All districts will be covered by the examination in due course. The new steps have been made possible by the recent acceptance of the arrears clearance scheme by Scottish chemists and by the appointment of an additional pharmacist to the staff of the Department. In Scotland prescriptions are now being dispensed at a rate of about four per head per year compared with just under three-and-a-half a year ago.

IRISH NEWS

Golf Fixtures.—The Ulster Chemists' Golfing Association's fixtures for the coming season have been arranged as follows: —May 2, Groves Memorial Cup, at Lurgan Golf Club; June 6, McMullan Cup, Portstewart Golf Club; June 27, British Drug Houses Cup, co. Louth Golf Club, Baltray; and September 26, captain's prize competition and annual dinner, Belvoir Park Golf Club, Belfast.

Ulster Chemists' Association.—At the March meeting of the executive committee of the Ulster Chemists' Association, Mr. C. A. Quinn (president) welcomed Mr. W. J. Moffett, a newly co-opted member. Mr. Quinn said that, with Messrs. H. W. Gamble and W. Gorman (president and secretary respectively of the Pharmaceutical Society of Northern Ireland) he had visited the Londonderry and Dungannon Chemists' Associations and that arrangements had been made for rota services there. The following new members were elected:—Mrs. C. Slevin, Bridge Street Pharmacy, Omagh; Mr. Kevin O'Reilly, Ederney, co. Fermanagh; Mr. S. Rutherford, 61 Sunnyside Street, Belfast; City Medical Hall, English Street, Armagh (successor to Mr. E. C. McBride). The following who had been approved by the Associates' Committee were admitted to Associateship:—Pharmaceutical Chemist: Mr. F. J. I. Jackson; assistants: Messrs. A. McQueen and C. O'Kane; apprentices: Misses E. A. Johnston and B. E. Murphy, Messrs. J. E. M. Gamble, W. J. M. Horner, R. W. Magowan, W. A. McCready, J. W. Twomey and D. Shearan. Messrs. C. A. Quinn and J. Caldwell were nominated to represent the Association on the Northern Ireland Chemists' Benevolent Fund.

OVERSEAS NEWS

Influenza in United States.—Increasing numbers of cases of influenza have been reported along the east coast of the United States and in New York State. No increase in the death rate was reported.

Indian Research Institute Opened. — The Prime Minister of India (Mr. J. Nehru) opened the Central Drug Research Institute, Lucknow, on February 17. The Institute has been planned by the Indian Council of Scientific and Industrial Research and is to be devoted to the clinical investigation of disease, standardising new drugs, and increasing, where possible, the scope of established drugs.

Finnish Students' Jubilee. — During the sixtieth jubilee conference of the Finnish Pharmaceutical Students' Association (see *C. & D.*, February 24, p. 225), delegates visited the factory of Lääketehdas Orion Oy. and the Boulevardia Pharmacy —a modern pharmacy with a staff of nearly forty. Mr. S. Süntola gave a brief survey of the activities of the Association over the past sixty years and this was followed by a short address on "Extracts." Presents made to the Association included cheques from two manufacturing houses to go towards the provision of a room for social functions; a painted wooden bowl and a silver salver from students in Norway and Sweden respectively.

N.H.S. ESTIMATES

CIVIL Estimates for the Pharmaceutical Services of the National Health Service for the year ending March 1952 are as shown in the following table:—

Country	(a)	(b)	(c)	(d)
	£,000	£,000	£,000	£,000
England	8,485	16,230	2,530	1,365
Wales	644	1,109	167	80
Scotland	1,120	2,110	670	100

(a) Dispensing fees and rota payments; (b) cost of ingredients and container allowance; (c) oncost allowance for overheads; (d) payments to doctors and dentists for supplying drugs, appliances, etc.

The above estimates show an increase of £2,457,000 for England and £150,000 for Wales over the year just closing. Scotland's total of £4 millions remains the same.

TOPICAL REFLECTIONS

Health and Happiness

The new monthly publication of the British Medical Association, "Family Doctor," may be described as a projection (in the geometrical sense of the term) of the radio doctor. The chorus of praise with which, so far as I have read, it has been greeted suggests an afterthought. In the final sentence of your editorial comment on p. 380 you have, in fact, anticipated to a great extent the thought that is in my mind. To avoid "pandering to a new race of hypochondriacs" and to devise "a workable and unimpeachable policy towards accepting advertisements" is, as you indicate, a formidable task. Many, perhaps most, chemists in retail business have had experience of nervous patients who must be a greater nuisance to their medical advisers than they are worth. I recall a Victorian croaker who took a written list of symptoms, with theories of their causation, to his doctor. An instructive survey of self-medication made in Bristol from questions issued to 277 persons is abstracted in the *C. & D.*, 1944.II.174. "Family Doctor" is no doubt costing a large sum of money. If one result of its perusal is to reduce the enormous cost of the National Health Service, we shall all applaud the B.M.A. for its public-spirited action in launching this venture. In that case its mission will, we may assume, be largely accomplished. What is chiefly wanted now, I suggest, is not to make people health-conscious but to make them health-unconscious.

Discussion in Edinburgh

A good discussion is reported (p. 386) from Edinburgh, a place of origin of many good discussions. The title of the address by Mr. Gwilym Hughes, "The Pharmacist and His Problems," left the way open for raising any subject describable as a problem: your report shows that the subjects raised were topical though not unfamiliar. Many readers must have smiled on learning that Scotland's man-power shortage is "largely due to emigration of Scottish pharmacists to accept posts in England." This is not the first time that Scotsmen have been attracted across the Border by the lure of loaves and fishes. Another remark by the same speaker, Mr. C. G. Drummond, needs elucidation. He is reported as saying: "The criterion for a man's fitness to be a Council member should be his interest in pharmacy." It is to be hoped that this statement was balanced by some addition rendering it more persuasive. The interest of a pharmacist in pharmacy begins, increases and decreases at different times of life according to temperament and circumstances. (That interest may even end, though we must hope it never will.) A newly qualified man or woman, however greatly interested in the vocation, cannot be expected to serve pharmacy as acceptably as a Council candidate who has gained experience during several years; nor can a veteran attract many votes unless he or she is unusually well "preserved." With Mr. Drummond's opinion on testing National Health Service dispensing I agree. There is not only the question of the amount of public money involved; there is also the fact that a contract exists between the Government and each proprietor of a pharmacy.

Over-elaboration

The report of the National Advisory Council on Education for Industry and Commerce on what is described as "the future development of higher technological education" has come to the fore again because of comments upon it made by the Council of the Pharmaceutical Society (p. 373). The report, summarised in your issue of December 2, 1950, p. 628, takes us back, in essentials, to the "Statement on Problems of Scientific and Industrial Research" published in 1944 (*C. & D.*, 1944.II.119). The members of the conferences forming the basis of that statement included such scientists as Sir William Bragg and Sir Henry Dale, and the distinguished industrialists Lord McGowan and Lord Melchett. Relations between universities and technical colleges were so fully investigated by this representative body that the Council of the Pharmaceutical Society is quite justified in expressing the opinion that, so far as pharmacy is concerned, the setting up of a Royal College of Technologists would introduce unnecessary complexity into technological education. One may go further than this. In my view the scheme is an example of the over-elaboration that is one of the main troubles of contemporary life. Our universities and technical colleges can, I submit, be trusted to adjust relations between their curricula without the intervention of a new system.

Xrayser

NEW COMPANIES

Denes Veterinary Herbal Products, Ltd. (P.C.).—Capital £1,000. First directors are to be appointed. Solicitors: Dehn & Lauderdale, 85 London Wall, London, E.C.2.

Ashworth (Chemists), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturing and general chemists, etc. Thomas B. Ashworth and Eleanor M. Ashworth, directors. R.O.: 20A East Barnet Road, Barnet, Herts.

Robapharm, Ltd (P.C.). — Capital £1,000. To carry on the business of manufacturing chemists and druggists, etc. Edward B. Ward, Dr. Rudolph Leupold and Dr. Werner Rosenberg, directors. R.O.: 6 Henrietta Place, London, W.1.

T.C.P., Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing chemists, druggists, etc. The first directors are to be appointed. Solicitors: Herbert Smith & Co., 62 London Wall, London, E.C.2.

David Herriott & Co., Ltd. (P.C.).—Registered in Dublin. Capital £4,000. To acquire the business of a chemist and druggist carried on by Mary Herriott at 9 Castle Street (otherwise Pearse Street), Nenagh, co. Tipperary. Mary Herriott and David Herriott, directors.

F. A. Billington (Langley), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Frederick A. Billington and Beryl E. Billington, directors, 8 Joinings Bank, Langley, Oldbury, Worcesters.

G. Sinclair Ross, Ltd. (P.C.).—Capital £1,500. To acquire the business of a pharmacy previously carried on by G. Sinclair Ross at 9 Broadway, Bexleyheath, Kent. George Sinclair Ross, M.P.S., and Phyllis H. Ross, directors. R.O.: 9 Broadway, Bexleyheath, Kent.

Thomas A. Waters & Co., Ltd. (P.C.).—Capital £2,000. To carry on the business of wholesale and retail dealers in patent and proprietary articles, perfumes, face powders and creams, etc. Thomas A. Waters, Ethel M. Stevens and Joyce R. Elphinstone, directors. R.O.: 40A The Broadway, Northwood Hills, Middlesex.

C. & E. (Compounds & Essences), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers, importers and exporters of and dealers in fruit juices, concentrates and spices; manufacturing chemists, distillers, etc. Reginald J. Stranger, Alexander H. Abbott and Alexander T. Abbott, directors. R.O.: 77 Millbrook Road, Southampton.

Antigen, Ltd.—Particulars filed pursuant to Section 407 of the Companies Act, 1948. Capital £15,000. Registered in Dublin. To carry on business as chemical and biological manufacturers and bacteriologists, etc. British address: 5 Rampayne Street, S.W.1, where Frederick L. Rolph is authorised to accept service of process and notices. Arthur Cox, George Fasenfeld, John F. Crawley, Denis C. Crawley, Robert F. Corran and Cormac J. Morgan, directors.

Company News

Ascotts Pharmacies, Ltd. — Group loss for the year ended September 30 amounts to £6,102 (against a net profit of £3,985) reducing credit balance brought in to £1,712 (£7,814). No dividend on preference shares; preference dividend paid for previous year. No ordinary dividend has yet been paid.

F. W. Hampshire & Co., Ltd.—Net profit, before tax, for the year to December 5, 1950, amounts to £128,446 (against £142,325); tax, £66,500 (£77,000). Final dividend on ordinary and A ordinary shares, 10 per cent., and bonus 6⅔ per cent. (same), making 23⅓ per cent. on capital increased by 200 per cent. bonus issues (36⅔ per cent., including interim of 20 per cent. on smaller capital). From excess profits tax reserve, nil (£20,000); to staff pension fund, £2,150 (same); to general reserve, £25,000 (£50,000); carried forward, £9,684 (£9,263).

Cow & Gate, Ltd.—Group net profit for the year to September 30, 1950, before tax, amount to £571,013 (£551,414), to which is added over-provision for taxation and other items of an exceptional nature totalling £395,983 (£211,800). After deducting outside interests of £50,221 (£26,743); current tax, £382,721 (£359,134); and tax on previous credits, including E.P.T., £241,284 (£70,004); a net profit remains of £293,987 (£309,309). Ordinary dividend is maintained at 15 per cent., less tax, for the year. To general reserve, £100,000 (same); to development reserve, nil (£20,000); £301,558 (£251,079) is carried forward.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. H. F. L. TURNER asked the Minister of Fuel on March 19 if he would ensure that a greater volume of naphthalene was made available for the manufacture of phthalic anhydride. MR. P. J. NOEL-BAKER replied: The production of naphthalene has been fully maintained but the demand has greatly increased; as a result, supplies of phthalic anhydride have been reduced by an average of 25 per cent. New naphthalene plant is being installed. Meanwhile, exports are being cut in order that more may be available for making phthalic anhydride and other things.

Copper Fungicides

MR. J. S.-W. ARBUTHNOT asked the President of the Board of Trade on March 20 what action he was taking to assist in making fungicides containing copper available for use on tea estates. MR. A. G. BOTTOMLEY (Secretary for Overseas Trade) replied: The production of copper fungicides is being affected by shortage of materials, in particular sulphuric acid and hydrochloric acid. It is expected, however, that reasonable quantities will be available for tea estates in 1951.

Dental Goods Draft Order

MR. A. G. BOTTOMLEY told MR. W. S. SHEPHERD on March 20 that it had been decided that the appropriate legislative action on the report of the Monopoly Commission on Dental Goods was to lay before Parliament a Draft Order under section 10 of the Monopolies and Restrictive Practices (Inquiry and Control) Act, 1948. The Draft Order had been laid on March 16 by the Minister of Health.

Sulphur Supplies

MR. W. TEELING was told by the President of the Board of Trade on March 21 that Britain was receiving from Spain sufficient pyrites to maintain in full production the sulphuric acid plants in the country designed to operate on that material.

Sulphur was discussed again just before the Commons adjourned on March 22. MR. HAROLD WILSON (President of the Board of Trade) told MR. G. R. CHETWYND that pending the reaching of agreement with the United States on the allocation of sulphur, every effort would be directed to maintain supplies to essential industries. In a further answer he said that dollars had been allocated throughout for the whole of the amount of the supplies available. He told MR. TOM BROWN: We have been throwing the net very wide for getting supplies of sulphur, and, more particularly, pyrites from Spain. We are going into the question of developments from Cyprus and also in the home industry.

Health Centres

MR. ARTHUR BLENKINSOP (Parliamentary Secretary to the Ministry of Health) told SIR HERBERT WILLIAMS on March 22 that circulars had been issued to all local health authorities on the subject of organisation of health centres. Any detailed guidance required had so far been given on an individual basis to authorities concerned with a particular project.

Economies in Prescribing

MR. CHARLES IAN ORR-EWING asked the Minister of Health on March 22 whether, in view of the growing shortage of drugs containing sulphur and of certain medical supplies such as cotton wool, bandages, gauze and lint, he would ask doctors in general practice under the National Health Service Act to exercise all possible economy in prescribing those items. MR. ARTHUR BLENKINSOP (Parliamentary Secretary to the Ministry of Health) replied that the Minister would be pleased to consider that suggestion.

BUSINESS CHANGES

MOORE MEDICINAL PRODUCTS, LTD., Aberdeen, have appointed Mr. George Martin, 5 Queens Parade, Cheltenham, Glos, their representative in Wales, Monmouthshire, Herefordshire and Shropshire.

A. L. SIMPKIN & CO., LTD., Sheffield, have reorganised their sales territories following the retirement of Mr. E. Grayson. Messrs. C. Simpkin and T. L. Ward are to cover Yorks (East and West Riding) and Lincs.

MARCHON PRODUCTS, LTD., Whitehaven, have acquired Forth and Clyde Chemical Works, Nitshill, Glasgow, formerly owned by Perry & Hope, Ltd. The subsidiary company will trade as P. & H. Phosphates, Ltd.; Mr. J. Cant has been appointed works manager, and Mr. W. C. Hamshere, B.A., general manager.

BIRTH

GRIFFITHS. — At Bridgend Hospital, Bridgend, Glam, on March 10, Marion Orlow Joy (neé Bridgeland), wife of Harold William Philip Griffiths, M.P.S., Kenfig Hill, Glam, of a daughter (Iris Ruth).

MARRIAGE

MILLER—BETHELL. — At Dryfesdale Church, Lockerbie, Dumfries, on March 16, Drysdale Peter Buchanan Miller, M.P.S., Dunara, Hunterfield, Gorebridge, Midlothian, to Janet Wilhelmina Bethell, 5 Beckton Road, Lockerbie.

DEATHS

BOTHAM.—On February 15, Mr. William Bland Botham, Ph.C., 27 Glenmoor Road, Bournemouth. Mr. Botham qualified as a chemist and druggist in 1884 and passed the Pharmaceutical Chemist examination in 1886.

FLOWERDEW.—Suddenly, on March 16, Mr. Frederick John Flowerdew, B.Sc., F.R.I.C., M.P.S., 20 Shardlow Road, Alvaston, Derby, aged fifty-two. Mr. Flowerdew served for many years as chief chemist to Bob Martin, Ltd., Southport, but afterwards returned to retail pharmacy in Derby, where he had two shops. He was a member of the Society of Public Analysts and Other Analytical Chemists.

GIBSON. — At Runic Cross Cottage, Innerleithen, Peeblesshire, on March 22, Mr. Hedley Havelock Vickers Gibson. Mr. Gibson qualified as a chemist and druggist in 1904.

GWILLIM.—At his home, 2 Penyrheol Drive, Swansea, on March 14, Mr. Walter Gwillim, M.P.S., aged sixty-eight. Mr. Gwillim was formerly in business for thirty-three years in High Street, Brecon.

HUTCHINSON. — On March 23, Mr. James William Hutchinson, Sandy Lane, Skelmersdale, Ormskirk, Lancs, aged sixty-seven. Mr. Hutchinson qualified as a chemist and druggist in 1905 and was in business at Skelmersdale for forty-two years.

KON.—At Liverpool, on March 15, Professor G. A. R. Kon, F.R.S., professor of chemistry at the Chester Beatty Research Institute, Royal Cancer Hospital, London. Educated privately and at Caius College, Cambridge, Professor Kon commenced his career in research at the Royal College of Science and Technology, South Kensington. He served in the anti-gas department in the 1914-18 war and in 1918 returned to the College, where he was appointed lecturer in 1925 and assistant professor in 1934. In 1942 he was elected to the professorship and shortly afterwards was made a Fellow of the Royal Society. His research was largely devoted to tautomeric changes of organic compounds. His main achievement lay in unravelling isomeric changes in unsaturated carbon chains, generally known as three-carbon tautomerism. An achievement of special merit was his synthesis of the key material ("Diele's hydrocarbon") that forms the basis of the sterol skeleton. From 1942, Professor Kon contributed much to the chemistry of cancer.

LLEWELLYN.—At 83 Huron Road, London, S.W.17, on March 20, Mrs. Claud Llewellyn, wife of Mr. D. L. Llewellyn, M.P.S., formerly of The Myrtle Pharmacy, Goodwick, Pem.

MILLER.—At Spalding, Mrs. A. Miller (widow of the late Mr. W. H. Miller, M.P.S., Spalding, Lincs), aged eighty-four.

PRESTON.—On March 20, Mr. Samuel Preston, M.P.S., managing director of Crompton & Preston, Ltd., chemists, Bury, Lancs, aged fifty-five. Mr. Preston had been in business in Bury since 1918. He was a past-chairman of the local Chemists' Association and a chemist representative on the local Executive Council.

REES.—On February 20, Mr. David Melvill Beynon Rees, M.P.S., 238 Holton Road, Barry, Glam, aged sixty-two.

RENNIE.—At Cardona, Campbell Street, Wishaw, Lanarks, Mrs. Margaret Nicoll Robb Rennie (widow of the late Mr. J. C. Rennie, M.P.S., Wishaw).

STOUT.—On March 4, Mr. Harry Stout, M.P.S., 57 Broad Street, Pendleton, Salford, 6, aged sixty-eight.

SUTHERLAND.—At Tooting, London, recently, Mr. John James Sutherland, M.P.S., aged seventy-nine. A native of the Edinburgh district, he had been in business in High Road, Balham, London, S.W.17, for many years.

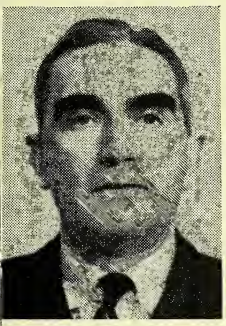
TAWSE.—On March 20, after a short illness, Mr. James Tawse, a director of Tilsons, Ltd., Brighton, 1, and for many years with Boutalls (Chemists), Ltd., London, W.C.1, aged eighty-two.

VAUGHAN.—On March 14, at Castlethorpe, The Green, Southwick, Sussex, Mrs. Mary Grace Dark Vaughan. Mrs. Vaughan qualified as a chemist and druggist in 1921.

PERSONALITIES

MR. C. W. ROBINSON, M.P.S. (a director of Evans Medical Supplies, Ltd.) has been elected to the Rotary Club of Garston, Liverpool.

MR. H. J. COUSLEY, M.P.S.N.I., Magherafelt, Northern Ireland, who has been co-opted to the Council of the Pharmaceutical Society of Northern Ireland, served his apprenticeship with Mr. Charles A. McCurdy Wray, M.P.S.N.I., Cookstown. After qualifying in 1926 he was manager to the late Mr. Andrew Wilson, Mountpottinger, Belfast, and later opened a business of his own in Belfast. In 1939 he took over his present pharmacy in Magherafelt. During the 1939-45 war Mr. Cousley was a captain in the Ulster Home Guard. He is now a district commandant of the Ulster Special Constabulary and a justice of the peace for co. Londonderry. He also acts on the National Insurance and National Assistance Local Tribunal.



MR. D. D. PRATT, O.B.E., Ph.D., acting director of the Chemical Research Laboratory, Teddington, has been promoted director of the Laboratory.

SIR ROBERT ROBINSON, O.M., F.R.S., has accepted an invitation to act as an honorary consultant to the director of the Chemical Research Laboratory, Teddington, on research in pure organic chemistry.

DR. K. R. CAPPER, Ph.C. (editor of the Pharmaceutical Society's scientific publications), has been nominated as a member of the technical committee on ampoules of the British Standards Institution.

MR. ARTHUR WRAY, M.P.S., manager of Boots, Ltd., Spalding for twenty-nine years, was presented with a travelling clock by the staff, and with a wireless set by the company on the occasion of his retirement recently. Mr. and Mrs. Wray will continue to reside in Spalding.

MR. G. B. JONES, F.R.I.C., A.M.I.C.E., general works manager of the Huddersfield Branch of Imperial Chemical Industries, Ltd., dyestuffs division, has accepted the unanimous invitation of the Huddersfield town council to be mayor for 1951-52.

MESSRS. J. P. O'DONNELL, M.P.S.I., Main Street, Charlestown, co. Mayo, and P. G. COFFEY, M.P.S.I., Kilkelly, co. Mayo, have been elected respectively as president and member of the executive of the St. Nathy's College Past Pupils Union, Ballaghaderreen, co. Roscommon.

MR. FORDYCE JONES has retired from the chairmanship and managing directorship of Reliance Rubber Co., Ltd., after being in the rubber industry for fifty years. Mr. Jones pioneered the manufacture in Great Britain of moulded seamless hot water bottles. He played a leading part in laying the foundations of the Rubber Research Association.

COUNCILLOR G. C. MOODY, M.P.S., has been selected to be mayor of Wilton, Wilts, and will take office in May. Mr. Moody is in business at West Street, Wilton, and is a partner in the firm of Moody & Coward, Castle Street, Salisbury. He attended Bristol College of Pharmacy, qualifying in 1932, and has lived at Wilton for sixteen years. He was first elected to Wilton town council in 1948 and re-elected in 1950 when he topped the poll.

DR. W. H. GARRETT, M.B.E. (a director of Monsanto Chemicals, Ltd.) received an inscribed silver salver from the Association of Chemical and Allied Employers at a ceremony in London recently on the occasion of his retirement after three years as chairman of the Executive Board. Dr. Garrett, who had been a member of the Board for twenty-one years, was vice chairman for four years, and was elected vice-president of the Association, thereby becoming a permanent member of the Board. Dr. Garrett is also a member of the employers' panel of the National Arbitration Tribunal and of the Civil Service Arbitration Tribunal.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Alterations to Protected List (Part 1)

(I.R.P.=Inclusive retail price)

Product	Doz.	Tax	I.R.P.
	s. d.	%	s. d.
Cicfa Co., Ltd.			
Cicfa tablets	12 3	33⅓	1 8
	29 0	33⅓	4 0
C. E. Fulford, Ltd.			
Zambuk ointment	13 3	33⅓	1 9
	32 0	33⅓	4 3
	56 9	33⅓	7 6
,, cream	10 9	33⅓	1 6
	21 6	33⅓	3 0
,, suppositories ..	16 9	33⅓	2 3
Zamcones	25 0	33⅓	3 6
Peps	13 3	33⅓	1 9
Kutnow's saline	29 6	33⅓	4 0
Guy's tonic	14 6	33⅓	2 0
	30 6	33⅓	4 3
Iron Jelloid Co., Ltd.			
Iron Jelloids	12 3	33⅓	1 8
	29 0	33⅓	4 0
,, ,, with quinine..	12 3	33⅓	1 8
	29 0	33⅓	4 0
Eli Lilly & Co., Ltd.			
Ergotrate ampoules : No. 302, 0.2-mgm., 1-c.c., 6's	120 0	Nil	15 0
100's	153 4	Nil	230 0
Ergotrate tablets : No. 1572, 0.2-mgm. .. 12's	108 0	Nil	13 6
25's	176 0	Nil	22 0
100's	51 8	Nil	77 6
500's	257 4	Nil	386 0
1,000's	513 0	Nil	770 0
Luma Products, Ltd.			
Luma anti-rheumatic compound	12 0	33⅓	2 0
	33 0	33⅓	5 0
	50 0	33⅓	8 0
Milton Antiseptic, Ltd.			
Milton disinfectant and steriliser .. .. 3-oz.	11 3	Nil	1 3
8-oz.	21 0	Nil	2 4
New Skin Co., Ltd.			
New-Skin antiseptic waterproof coating	13 6	Nil	1 6
	33 9	Nil	3 9
Pharmaceutical Laboratories Geigy, Ltd.			
Tromexan tablets .. 10's	216 0	Nil	24 0
100's	1728 0	Nil	192 0
Taoryl tablets .. 20's	24 0	Nil	3 0
200's	216 0	Nil	27 0
Teevex ointment, 20-gm. ..	36 0	33⅓	5 0
Irgapyrin ampoules 5's	168 0	33⅓	23 4
50's	1440 0	33⅓	200 0
The Thermogene Co., Ltd.			
Thermogene medicated wadding	14 10	33⅓	2 0
	33 6	33⅓	4 6
Thermogene vapour rub for children	14 0	33⅓	2 0
Thermogene vapour rub ..	14 0	33⅓	2 0
Johnson & Johnson Ltd.			
Johnson's baby powder ..	11 6	33⅓	1 9
Reckitt & Sons (Pharmaceutical Department)			
Dettol antiseptic C ..	17 2	33⅓	2 6
B ..	29 4	33⅓	4 3
1-gall.	14 6	33⅓	20 9
Allen & Hanburys, Ltd.			
Malt extract with cod-liver oil, 15% .. .. 4-lb.	74 6	Nil	8 1
With halibut oil .. 1-lb.	21 6	Nil	2 3½
2-lb.	40 6	Nil	4 4½
Forsters Pharmaceuticals, Ltd.			
Lixafans compound dill syrup .. .. 3-oz.	12 0	33⅓	1 10
Prices in Channel Islands—			
Acorza liquidum	63 0	Nil	7 6
Dobagen	27 0	Nil	3 6
Idanta	27 0	Nil	3 6
Lixafans	12 0	Nil	1 6
Ventralkia, A, B and C ..	60 0	Nil	7 6
Harwoods Laboratories Ltd.			
Serocalcin tablets .. 20's	28 10	33⅓	4 0
60's	76 6	33⅓	10 6
250's	217 0	33⅓	30 0
Irving's Yeast-Vite Ltd.			
Yeast-Vite tablets	12 3	33⅓	1 8
	29 6	33⅓	4 0
Bob Martin Ltd.			
Condition-powder tablets ..	6 2	33⅓	0 10
	14 9	33⅓	2 0
Abadim	9 0	33⅓	1 3
Destrox (major and minor)	11 0	33⅓	1 6
Aperient powders	9 0	33⅓	1 3
Stomach powder	16 6	33⅓	2 3
Diarrhœa powders ..	9 0	33⅓	1 3
Fit and hysteria tablets ..	16 6	33⅓	2 3
92 ointment	14 9	33⅓	2 0
Foot powder	16 6	33⅓	2 3
Eye ointment	14 9	33⅓	2 0
Canker powder	16 6	33⅓	2 3
Canker lotion	16 6	33⅓	2 3
Cleansfur	11 0	33⅓	1 6
Chalk block	11 0	33⅓	1 6
Bloom shampoo	11 0	33⅓	1 6
Cough powders	11 0	33⅓	1 6
Antimate	32 2	Nil	3 6
Emsil antiseptic fluid ..	15 9	Nil	1 9
Martinmilk	32 2	Nil	3 6
Dog soap	6 0	33⅓	0 9½
Tibs	6 2	33⅓	0 10
	14 9	33⅓	2 0
,, worm tablets	11 0	33⅓	1 6
,, cough powders ..	11 0	33⅓	1 6
,, canker powder ..	14 9	33⅓	2 0
,, Preen	11 0	33⅓	1 6
Pestroy	9 0	Nil	1 0
	22 6	Nil	2 6
	36 0	Nil	4 0
Stocksense	13 0	Nil	1 6
	36 0	Nil	4 0
Stocksense pig powders ..	14 9	33⅓	2 0
Roche Products, Ltd.			
Sedobrol tablets .. 10's	20 0	33⅓	3 1
30's	48 0	33⅓	7 4

TRADE NOTES

Bonus Discontinued. — Prentif, Ltd., Long's Court, St. Martin's Street, London, W.C.2, are discontinuing from April 2 the special bonus of thirteen to the dozen on all specialities of the company. The cash-with-order discount on £2 and £5 parcels remains available.

N.H.S. Packs.—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, state that from April 1 Jelonet paraffin gauze dressings B.P.C./N.H.S. will be available for National Health Service requirements in single-piece pack and in tins of five, ten and thirty-six pieces.

Long-service Tributes. — The March issue of the works magazine of the North British Rubber Co., Ltd., 204 Tottenham Court Road, London, W.1, includes an appreciation from a Southall, Middlesex, owner of a North British Rubber hot-water bottle bought twenty-five years ago and in constant use until the present winter.

Local Anæsthetic. — Eli Lilly & Co., Ltd., Basingstoke, have introduced Topocaine (3-(2-methylpiperidine)-propyl-para-cyclohexyloxybenzoate sulphate), a new local anæsthetic for topical administration. The product is available as a cream (0.5 per cent. in water-miscible base) in 1-oz. containers, and as a lotion (0.5 per cent. with calamine and zinc oxide) in 4-oz. and 16-oz. containers.

To Protect Hearing in Industry.—Amplivox, Ltd., manufacturers of hearing aids, 2 Bentinck Street, London, W.1, are now marketing Sonex ear defenders for the prevention of industrial deafness due to excessive noise in factories. The "defenders" are of a flexible plastic material and shaped so that complete closure of the ear canal is effected without discomfort and noise is reduced to a safe level.

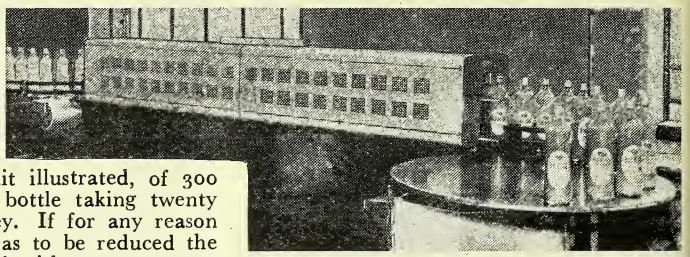
Low-density Plastic Material. — The London Capsule Co., Empire Works, Mitcham Road, Croydon, are marketing under the name Foma a low-density urea-formaldehyde plastic material foamed to produce a fine cell-like structure. The natural colour of the product is white, and it is produced in block or flake form as required, the standard block being approximately 48 x 24 x 4½ in. Foma has many applications in packaging.

A New Perfume.—Supplies are now becoming available of a new perfume, Pink Mimosa, prepared by Goya, Ltd., 161 New Bond Street, London, W.1. The new perfume is being advertised to the public from May 1, and parcels of display material are being dispatched to stockists on April 25. It is available in a new cut and polished glass gift-size bottle as well as in the company's medium and treasure-chest travel sizes and in handbag phials. The range will include toilet soap, Cologne, talc, dusting powder, bath blossoms, bath salts, bath essence and hair friction.

PRICE CHANGES

Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, announce new prices and amendments operative from March 28 in Bayer aspirin tablets, gr. 7½, tube of twenty; Betaxan elixir (bottles of 8 and 80 fl. oz.); Cignolin powder and ointment; Codalgin (carton of twenty); Cycloform suppositories (box of twelve); Decicain lozenges, gr. 1 (bottle of twenty-five); Evipan (hypnotic) tablets, gr. 4; Evipan sodium ampoules; Isupren tablets, 20-mgm. (bottle of fifty); Luminal ampoules, 20 per cent.; and Protheonal tablets.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have found it necessary to increase the retail price of the 2-oz. pot of Collosol sulphur cream.—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, announce a further reduction in the price of Pularin (heparin-Evans) as from March 30, and new prices for Evans throat pastilles from April 2.—Koray, Ltd., Golden Mile Works, Bridgend, Glam, increased the prices of Betalax chocolate laxative drops on March 19.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, are reducing on April 30 the prices to the public of Lysivane. — Rodmill Chemical Co., Ltd., Liverpool, are increasing on May 1 the retail prices of Didit powder in one-handed puffer pack.—Scrubb & Co., Ltd., Wimbledon Factory Estate, London, S.W.19, are increasing on April 1 the prices of Scrubb's Cloudy ammonia.—British Alkaloids, Ltd., Pinners Hall, Great Winchester Street, London, E.C.2, are increasing on April 2 the retail prices of T.C.P. bites and stings pack, tooth-paste, bronchial antidote, ointment and medicated soap; and of T.B.P. hair and scalp treatment.—As a result of the recent Government decision to increase purchase tax on home permanent wave kits to 100 per cent. (see p. 393), Gillette Industries, Ltd., Brentford, are reducing immediately the prices of Toni kits and refills.

MACHINERY, PLANT AND APPARATUS

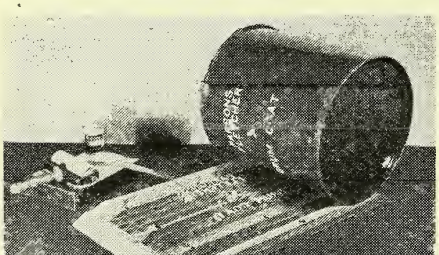


Label Drying by Infra-red.—By use of the Metrovick infra-red unit bottle-seals and bottle labels are dried in one operation. The bottles pass through at a rate, in the unit illustrated, of 300 doz. per hour, each bottle taking twenty seconds on its journey. If for any reason the conveyer speed has to be reduced the infra-red unit is fitted with a temperature control switch to reduce the heat output of the infra-red element projectors. The unit is 8 ft. long by 1 ft. 6 in. wide and operates on 415 volts, three-phase alternating current with total loading of seventeen kilowatts. The makers are Metropolitan Vickers Electrical Co., Ltd., Trafford Park, Manchester, 17.

Flameproof Control Equipment.—Londex, Ltd., Electrical Remote Control engineers and Manufacturers, Anerley Works, 207 Anerley Road, London, S.E.20, manufacture a range of flameproof pressure switches and similar units for use in works where there may be inflammable vapour.

Surface-study Camera.—The Edwards Finch-type electron diffraction camera, an instrument for the study of surface phenomena, crystal structures, monomolecular layers, etc., is among equipment manufactured by W. Edwards & Co. (London), Ltd., Worsley Bridge Road, London, S.E.26.

Printing on Drums.—By means of a flat forme to hold pre-cast composition letters or numerals, Parsons, Fletcher & Co., Ltd., 72 Fleet Street, London, E.C.4,



offer a process (the Drum-Coat process) of printing metal containers of any size clearly, sharply, simply and cleanly. The forme may be secured at floor level for heavy containers or at bench level for lighter ones. Inking is done by hand roller, and the ink dries quickly on the drum, leaving a rub-proof and weather-resistant inscription in any desired colour, or even in a variety of colours printed simultaneously. Ends of drums, flat containers, export cases, etc., can be marked equally effectively.

A Check on Watchmen.—The Blick watchman's control system, designed and manufactured by Blick Time Recorders, Ltd., 188 Gray's Inn Road, London, W.C.1, incorporates a 8-day multi-colour recording clock for nightly, week-end and public-holiday recordings. Specially important check points on a watchman's round may be recorded in different coloured ink.

Photoelectric Absorptiometer for Analysis.—In collaboration with Imperial Chemical Industries, Ltd., Baird & Tatlock (London), Ltd., Freshwater Road, Chadwell Heath, Essex, have produced a self-balancing photoelectric absorptiometer for chemical analysis. The instrument provides continuous quantitative indication of slight changes in colour of liquids used in chemical manufacture.

Portable Power Agitator-mixers.—D. J. Osborne Co., Ltd., 60 Croydon Road, Waddon, Surrey, offer direct-drive agitator-mixers for mixing light liquids and dissolving and suspending solids, and geared-drive models for heavier (viscous) liquids. Various standard sizes, ranging from $\frac{1}{4}$ to 2 horse-power, are available with cast aluminium motor carcass and stainless steel shafts and propeller. For special purposes Monel metal may be substituted for the shaft and the propeller supplied with covering of lead or rubber. The direct-drive models operate at 900 or 1,400 and the geared-drive models at 260 or 400 revolutions per minute.

REGISTRAR ON CHARTER PROPOSALS

THE reasons behind the proposed changes in the Society's Charter and By-laws were explained by Mr. F. W. Adams (registrar of the Pharmaceutical Society) to a meeting of the Western Pharmacists' Association and Branch of the Society in London recently. The proposed modifications, he said, left the original Charter in force in such matters as the incorporation of the Society and the power to appoint examiners. At a special general meeting of members to be held on May 17, any member could move an amendment to the proposed supplemental charter or by-laws.

MR. J. TEESDALE hoped that the Scottish Department of the Society would be given even greater freedom over Scottish affairs. He thought that to require 100 signatures of supporting pharmacists (instead of thirty) before a special general meeting could be called placed an almost unsurmountable obstacle in the way of a busy pharmacist. Mr. Adams had said, at the 1950 Branch Representatives' meeting at Glasgow that 100 was not an unreasonable number in view of the increased membership of the Society. "Do we want to tighten the democratic safety valves and to curtail the membership's control of the Society?" Mr. Teesdale asked.

In fifteen years as a member of the Society he could not remember any occasion when the present arrangements for calling a special general meeting were abused, and he thought the time to alter those arrangements was after they had been abused. Replying, MR. ADAMS said that the number (30 or 100) of signatures to be collected prior to the calling of a special general meeting was a matter of opinion. In the early days the Society possibly had some 5,000 members, now, it had some 25,000. Was it right that now a smaller proportion of members than formerly should be required to call a special meeting.

MR. J. R. PRITCHARD asked if ordinary members could be accommodated at Council meetings, and MR. ADAMS replied that provision had been made in the plans for the Brunswick Square building.

MR. W. E. STOCKS protested that a special general meeting called to amend the Charter could not normally be representative of the membership. MR. ADAMS thought that the Annual General Meeting of the Society was representative, and that a special meeting could be equally so. MR. TEESDALE asked that if Mr. Adams preferred a general meeting of members for that purpose would he also favour the election of the Council by the annual general meeting, rather than a postal ballot? MR. ADAMS: "I should require notice of that question."

CONFERENCE GRANTS

THE Pharmaceutical Society have again placed £500 at the disposal of the British Pharmaceutical Conference Executive to further the work of the Conference during 1951. The money will be used to encourage the attendance at the meeting of the Conference in Harrogate of young pharmacists and research workers who might otherwise be unable to be present. Applicants complying with the requirements set out below will be given one full book of Conference tickets and one third-class return railway ticket to Harrogate from the station nearest the applicant's usual residence.

Applicants must be pharmacists, or other members of the British Pharmaceutical Conference, except student associates having no scientific degree or similar qualification, who without this assistance would be unable to attend.

Students who are to take during the summer an examination which, if successful, would bring them within the above categories, may apply now, but any award is to be subject to the applicant passing the examination before the Conference.

Applicants must be under 27 years of age on the first day of the Conference (except those who served in the armed Forces, or who were engaged full-time in a comparable form of national service, during the recent war; in these cases the age limit will be extended by the period of such service) and must not have received an award on more than one previous occasion.

Applications must be sent to the General Secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1, to be received not later than June 30. They must give the following information:—Full name, date of birth, period of national service during the recent war, the name of the railway station from which the ticket is required and the fare from that station to Harrogate, and a brief statement of the applicant's career including qualifications and the dates on which they were obtained.

A letter of recommendation from the secretary of the branch of the Pharmaceutical Society to which the applicant belongs, or the head of the pharmacy department of a college or school, or, in the case of a non-pharmacist, a responsible officer of the organisation in which he is employed, should accompany the application.

Every applicant will be advised of the result of his application as soon as possible after receipt, so as to enable him to make any necessary arrangements.

THE LATE MR. JOHN SMITH, M.P.S.I.

THE death in a Dublin nursing home on Easter Sunday, March 25, of Mr. John Smith, M.P.S.I., Rathgar, Dublin, at the age of eighty-seven, marks the passing of one of the most notable men of his generation in Irish pharmacy. Doyen of pharmaceutical chemists in Dublin, Mr. Smith belonged to the group of outstanding men in the profession in Dublin which included the late Sir Thomas Robinson, Mr. W. F. Wells, Dr. A. J. Barnes, and Dr. James A. Walsh, with all of whom he was a contemporary. Born on January 19, 1864 at Midmar, Aberdeens, Scotland, John Smith began his career in pharmacy as an apprentice to George Reid & Sons, Union Street, Aberdeen. While in Aberdeen he attended Gordon's College where he completed the course for the British qualification. In 1884 he removed to Dublin to the well-known pharmacy of John Evans, 49 Dawson Street. The following year he obtained his qualification as a chemist and druggist under the Pharmaceutical Society of Great Britain, and four years later became a Licentiate of the Irish Society. The signatories to his Irish certificate included H. Whitla, M.D. After ten years spent in that pharmacy, John Smith decided to open his own pharmacy in Rathgar, a suburb of Dublin then scarcely developed. He purchased premises at 8 Terenure Road East. He and his staff were in the pharmacy from 8.30 a.m. to 9 p.m. on week days and on Sundays from 10 a.m. to 1 p.m., and from 6 p.m. to 8 p.m. He made most of his own galenicals and many of his own proprietaries. In later years he deplored the changes which had come over the practice of the profession under which medical men prescribed so little from the British Pharmacopœia and used instead so many patents. Always keenly interested in materia medica, he became an examiner to the Society in that subject in 1897. Photography was another great interest of his and all through the years he featured it in his business. For many years he served with distinction on the Council of the Society where he filled the office of treasurer to the Society from 1903 to 1905 (the year in which he was elected vice-president), and for the years 1907-10 he was president. With Sir Thomas Robinson, Dr. J. A. Mitchell, Dr. James A. Walsh, and Mr. George A. McLean Lee he helped to establish the Dublin Drug Association (later the Dublin and Provincial Retail Drug Association, and now the Irish Drug Association). John Smith was president of the organisation during the years 1918-19, and 1924-27. He was a pioneer in the work of the Photographic Dealers' Association in Ireland. In his trade association activities Mr. Smith was a friend for many years of Sir William Glyn Jones, one of the founders of the P.A.T.A. Mr. Smith was instrumental in having the work of that Association extended to Ireland and was for a considerable period Irish representative on the P.A.T.A. Executive. His last public appearance at a pharmaceutical function in Dublin was some years ago at a banquet in Dublin when a presentation was made to a fellow-Scot pharmacist, Mr.George A. McLean Lee, on the occasion of Mr. Lee's Silver Jubilee as treasurer to the Irish Drug Association. He leaves a pharmacist son, Mr. Lyall Smith, M.P.S.I.

LONDON'S HEALTH IN 1949

THE London County Council's medical officer of health (Sir Allen Daley) has reviewed public health in the L.C.C. area during the first full calendar year of the operation of the National Health Service Act. In that period the live birth-rate fell to 16.7 per 1,000 (against 17.9 in 1948 and 20.9 in 1947) though it was well above the 1938 figure of 13.4. The campaign to immunise against diphtheria had brought down the figures to 221 cases and nine deaths. Children immunised totalled 75 per cent. of those at school. A decline in the number of infants vaccinated persisted and only 25 per cent. of infants born during the year had been vaccinated. The mortality rate from tuberculosis declined, but the incidence of pulmonary tuberculosis in children (which took a disturbing upward turn in 1946-47) was still much higher (0.97 per 1,000) than in 1943 45, and the disease remained the most serious chronic condition affecting the community. The death rate from cancer for all ages (2.10 per 1,000) showed a slight decline, after two successive annual rises. Mortality from measles, whooping cough, and scarlet fever were average, but mortality was low (a total of thirty-nine deaths, of which thirty were due to whooping cough). Infantile diarrhœa was below average in incidence, and much below in mortality (sixty deaths). Poliomyelitis was responsible for thirty-five deaths.

PHARMACEUTICAL SOCIETY OF IRELAND

Mr. T. C. Scott (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on March 13. Other members present were Messrs. J. Gleeson, P. A. Brady, P. C. Cahill, G. C. O'Neill, H. P. Corrigan, T. B. O'Sullivan, P. Brooke-Kelly, C. J. Cremen, M. Power, A. A. Toher, P. F. McGrath, M. Costello, J. J. Roche, J. A. O'Rourke and Senator F. Loughman.

A communication was received from the Senate Returning Officer enclosing a list which included the Pharmaceutical Society of Ireland, of organisations on the Senate Cultural and Vocational Panel. Mrs. E. M. McGahern (née Gavigan) who submitted a marriage certificate was granted change of name in the register. A preliminary registration was notified in respect of Mr. Michael McGarry.

The Report of the House Committee mentioned that a letter had been received from the publishers of The Chemist and Druggist intimating that the annual subscription was being increased.

The reports of the Law and the Schools Committees were adopted. That of the Schools reiterated the necessity for submitting a preliminary certificate showing credit for Irish, English, Latin, mathematics and a fifth subject by candidates for the Pre-registration examination.

Mother and Child Scheme

The Registrar reported that he had written to the secretary to the Minister for Health asking if the Minister was in a position to indicate the nature of the pharmaceutical services under the mother and child health scheme. The Minister's secretary replied that it was intended that medicines should be supplied free of direct charge to persons eligible under the scheme, but, as previously indicated, detailed proposals had not been finally decided upon. The registrar said the use of the phrase "free of direct charge" in the letter might mean that the medicines would be supplied on indirect charge through the chemist. Mr. Costello pointed out that the details so far published indicated that medicines and surgical appliances were to be made available at health centres. Mr. O'Rourke said pharmacists should have a unified policy towards the scheme like the doctors. Mr. Cahill pointed out that the Minister had said that room might still be found for doctors under the scheme. Mr. Brady said that, in that event, patients should be able to come to pharmacists for their medicines.

Mr. Roche said that it would be unwise for either the Society or individual chemists to enter into a controversy in the public Press on the matter for they would be labelled as interested parties. Senator Loughman said that it would be impossible to supply all the medicines required under the scheme through the health clinics or dispensaries.

Consultation with Northern Ireland

The President said that the Irish Drug Association had invited some of the members of the Pharmaceutical Society of Northern Ireland who had had experience of such schemes to come to Dublin to discuss the matter. Mr. Costello urged that they should submit their own scheme as soon as possible, otherwise they might be too late when they came to meet the Minister. Mr. O'Rourke suggested that they should get details of schemes in operation in countries like Sweden and Australia. Senator Loughman said that the basis of their scheme should be that all medicines and surgical appliances would be supplied through the medical halls. That would be cheaper in the long run. Senator Loughman suggested that any arrangement entered upon should be for a probationary period. Mr. Toher said that they should have an interchange of views with doctors and perhaps work out a combined policy. Senator Loughman thought that doctors had not considered distribution. The Council should get an undertaking from the doctors that they would not act as distributors. After further discussion it was agreed to meet representatives from the Pharmaceutical Society of Northern Ireland as soon as possible and to have closer and more frequent consultations with the Irish Medical Association.

The following changes of address were noted:—Miss Mary T. Kelleher, M.P.S.I., to Ballyvourney, co. Cork; Edward Browne, M.P.S.I., to Fatima Mansions, Rialto, Dublin; Thos. G. Griffin, M.P.S.I., to 1 Windy Arbour, Dundrum Road, Dublin; G. C. Morrison, M.P.S.I., to Castlemartyr, co. Cork; and John M. O'Sullivan, M.P.S.I., to 68 Pembroke Road, Ballsbridge, Dublin.

The following were nominated for membership: Mr. Edward Browne, Fatima

Mansions, Rialto, Dublin; Mr. Peter Paul O'Reilly, 73 Market Street, Cootehill, co. Cavan; Mary T. Kelleher, Ballyvourney, co. Cork; and Mr. T. G. Griffin, 1 Windy Arbour, Dundrum Road, Dublin. Mr. L. E. O'Leary, Boyle, co. Roscommon, was nominated as an Associate Druggist.

Mr. B. P. Hickey was re-elected examiner to the Assistants' examination and Mr. R. F. Timoney, examiner to the Registered Druggists' examination. The Licence certificates of Mary T. Kelleher and Peter Paul O'Reilly were signed and sealed. The following were elected members of the Society: Miss Una Gleeson, Messrs. G. D. Bagnall, B. Feeney, O. Murray, J. Nugent, John F. O'Connor, R. C. O'Higgins, R. Semple and J. Staunton.

Accommodation

Mr. P. C. Cahill moved that "In view of the increasing inadequacy of the accommodation available at the Society's premises, and in order to secure the greatest possible benefits from the proposed changes in the Society's educational programme, the Council makes arrangements to purchase a larger building, or, alternatively, builds suitable premises."

Mr. Cahill said that he had made a similar proposal three or four years ago and the question then arose of going to the Government for a grant, but a new Government pledged to a policy of economy had been returned and the time did not seem opportune. He believed, however, that if they went now to the Taoiseach and the Minister for Finance they would get a hearing. He suggested setting up a committee to examine the whole question and to return to the Council with proposals. The existing examination hall, classrooms, laboratories and lecture rooms were too small and equipment was inadequate. The provision of a students' study room and library facilities might be considered. It was doubtful whether the accommodation required by the Society could be obtained for less than £25,000 and expenditure might run to £50,000. It might be necessary to ask the Government to contribute at least fifty per cent. of that sum. A central situation for the Society's premises was essential at present but would be less so when the new educational programme came into operation. Students would then have to attend full-time lectures and abandon the present practice of attending part-time classes while working in pharmacies.

Mr. Gleeson, seconding the motion, said that as treasurer his approach to such a proposal must necessarily be conservative. At the same time he did not dispute the need for better accommodation.

Mr. McGrath said they had been working for some years on a new educational scheme, but found themselves with a building wholly inadequate to meet the needs of that scheme. He would like to hear from the treasurer something about their resources. Mr. Gleeson told the Council that the amount now invested was about £19,000. Ten years ago they had only about £3,000. Mr. Brady said that the need for premises with more accommodation went with the new education scheme.

Mr. Brooke-Kelly said he was glad to see Mr. Cahill bring forward the scheme. In 1926-27 when he had suggested his own scheme the cost would have been 50 per cent. lower. Mr. O'Rourke said he would prefer a Government loan to a grant with conditions. Senator Loughman said that they should approach the Government for a grant; intervention was not inevitable.

The Council passed Mr. Cahill's motion unanimously and appointed the following committee: Messrs. J. Gleeson, P. C. Cahill, J. J. Roche, T. B. O'Sullivan and M. Costello.

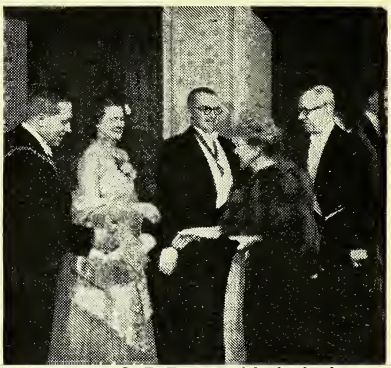
Question Time

At question time Mr. Power raised the matter of having Irish licentiates appointed to vacancies on the staffs of pharmaceutical manufacturing firms and mentioned a case where a post formerly held by an Irish pharmacist was being filled by a non-national. It was serious for their licentiates if posts which they could fill so well were given to people from outside the country.

Mr. Cahill said he did not think the particular case mentioned was one calling for a protest. The appointment was advertised and Irish licentiates had an opportunity of applying. Many of their own licentiates were employed abroad. Mr. O'Neill said the fact that Irishmen were employed abroad was no reason for suggesting they should not be employed at home. They should make representations in the case mentioned by Mr. Power. Mr. Cahill said that the firm in question was "trying to get a suitable Irishman." Mr. Brady suggested that a notice should appear in the pharmaceutical Press covering the point raised by Mr. Power, and this was agreed to.

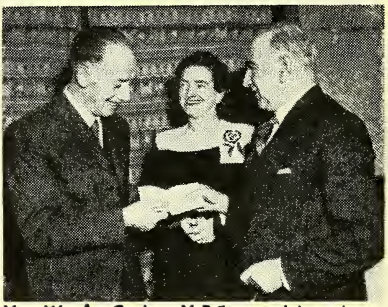
NEWS IN PICTURES

Messrs. J. F. McNeal, J. H. Barber, O. T. French (chairman), Councillor B. S. Clarke (vice-chairman), E. B. Bunting and B. Baker at annual dinner of Southend Branch of the Pharmaceutical Society (*C. & D.*, March 10, p. 290).

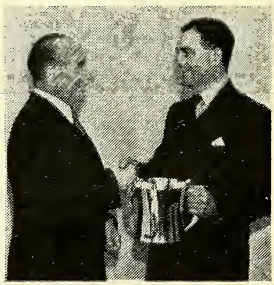


Mr. and Mrs. C. E. Turner with the lord mayor of Stoke receiving guests at annual dinner, North Staffs Branch, Pharmaceutical Society (*C. & D.*, March 24, page 362).

Mrs. J. J. Leonard (chairman's wife) receiving bouquet at Exeter Branch dinner and dance (*C. & D.*, March 24, p. 362). Below: Group at annual dinner of Bolton Pharmaceutical Association.



Mr. W. A. Cooke, M.P.S., receiving cheque for £225 (first prize, Lever's Easy shaving stick competition) from Mr. H. W. Scholefield (chairman, Lever Sales, Ltd.).



Mr. H. Jacobs (sales manager, Koray, Ltd.) presenting to Mr. J. H. Davis, at the company's annual dinner recently in Birmingham, a challenge cup awarded to the company's best salesman of 1950.

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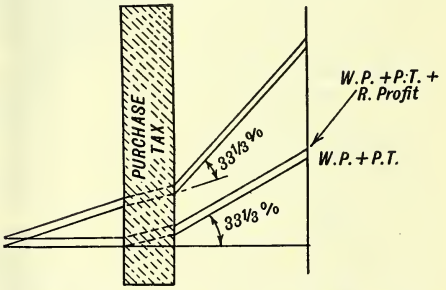
VOL. CLV MARCH 31, 1951 No. 3710

Sauce for the Gander

INTERNATIONAL conditions leave little hope if any general reduction in taxation in the forthcoming Budget, but there are strong arguments for making the purchase tax less unfair and unequal than it has become as a result of recent sharp rises in the wholesale prices of many types of merchandise. We have contended throughout that such goods as medicines, drugs and other essentials should never have been made liable to purchase tax, but even if they must remain taxed one is left wondering whether any principle can justify an increase of revenue to the Government for every wholesale price rise. There is a sort of refraction effect (which we have endeavoured to illustrate diagrammatically) that makes the position disproportionately bad for the consumer, and compels the retailer continually to increase his investment at a decreasing net profit, while the Chancellor benefits by every rise in price.

The unfairnesses arise from the *ad valorem* basis of computing the tax. During the past decade prices have undergone a general and substantial increase, and the amount of tax imposed has gone up in proportion because the tax has operated on that system. As a result, the yield of tax levied on many classes of chemists' goods has become practically double the yield from similar goods in 1940. These facts in themselves should be sufficient to compel the Chancellor of the Exchequer to re-examine the equity of purchase tax calculated by the present methods. So far as traders are concerned the position is aggravated, because when, during the 1939-45 war, a system of controlled prices was established, the principle was laid down that the retailer's profit per article should be frozen at the figure in operation at a specified date. If now the Exchequer is authorised to collect ever-increasing amounts of purchase tax on an article that once was comparatively inexpensive, the result is bad for both consumer and trader—for the consumer because he is called upon to pay in the resulting retail price an amount of tax that has risen solely because production and marketing costs of taxable goods have increased, and for the retailer because he is continually called upon to increase his capital investment and accept a diminishing rate of net profit. What is sauce for the retail goose is surely sauce for the Exchequer gander, and there seems no reason why the purchase tax per article should not be frozen at an appropriate actual amount, irrespective of price advances due to causes not under the control of the seller.



"REFRACTION" DUE TO PURCHASE TAX. As the wholesale price increases the addition of a purchase tax percentage widens still further the variation from the original price to consumer. Theoretically, retailer's profit under war-time legislation was a fixed sum unaffected by price changes.

W.P.=Wholesale price. P.T.=Purchase tax
R. Profit=Retail profit.

The public should not be called upon to pay large increases in taxation under purchase tax solely because production and marketing costs of a taxable article have risen since the tax was first imposed. Traders, too, should be allowed some small increase in their net profits in view of their now very considerably increased outlay of capital.

Distribution of Council Members

WHETHER or not the Council of the Pharmaceutical Society should be elected on a territorial, regional, or its present basis is a controversy that has not ended with the publication recently of the Council's memorandum on the subject (*C. & D.*, February 24, p. 228). It will be recalled that at the Branch Representatives' meeting in May 1950 two resolutions on the subject were discussed. One of them, which recommended that the election "should be on a regional basis and that all necessary steps to implement this should be taken as soon as possible" was carried by a narrow majority (*C. & D.*, 1950. I. 676). The Council in its report claimed that it was possible under the present system to secure a Council whose members had interests in the country corresponding roughly to territorial divisions, and that the present Council was in fact largely contituted of such members. It is evident from discussions at Branch meetings that many pharmacists consider representation of their own locality to be inadequate. In questions of this kind nothing is so valuable as an accurate picture of the existing position, and for that reason we publish on this page a map of Britain showing densities of population and distribution of Council members (based on their addresses in the 1951 Register). It will be seen that, of the twenty-one elected Council members, nineteen live south of a line drawn from Scarborough to Liverpool; eight live in London and Home Counties; six in the

Circled figures represent members of the Council of the Pharmaceutical Society.

orth Midlands, south Lancashire and outh Yorkshire; Scotland is represented y only two (neither from the area of ensest population); Wales, South-west and outh England by one member each. On ny territorial basis the Newcastle region, ast Anglia and Lincolnshire are unrepre-ented.

Excision or Amputation?

T is by now an open secret that substan-ial economies are soon to be effected in he National Health Service. Naturally here have been speculations among groups engaged in the Service as to where he excisions will be made, how drastic hey will be, and whether N.H.S. will urvive as an organic whole or become a permanent cripple. The "Medical Press," for instance, comments that "the wielding of a furious axe is likely to become a more and more familiar spectacle." The choice of instrument and adjective by a medical publication is significant, implying not a surgical operation performed with dis-crimination and skill, but an act of butchery done in a fit of passion. By con-trast, the paper itself proffers an informed diagnosis and a reasoned remedy. The "only hope of reduction" of "those thousands of gallons of medicine which . . . must stream into our drains annually" is "in practitioners themselves refusing to give prescriptions unless they are abso-lutely necessary and even at the risk of being unpopular with the patient." The Socialist Medical Association, in its paper, "Medicine Today and Tomorrow," is equally apt in comment. "The Association believe that personal saving by every doc-tor is preferable," though as "voluntary restraint is not easy or usual *en masse*," "some measure of committee control" for prescribers is conceded. [Away from its own subject, the Association is less happy, advocating "as a long term policy . . . nationalisation of the drug industry."]

In face of such medical standpoints, chemists are in less danger of being thought biased in arguing that, when the cost of the nation's medicine is too heavy—as it certainly is—the people to curb are those who make it so, and not the chemist-con-tractors. Chemists' remuneration is directly proportional to their contribution to the scheme. They neither receive a capitation fee for patients who may never need atten-tion nor can they influence the size of the drug bill. Bitter experience of the past, however, arouses an uneasy foreboding that logic is not going to enter into the matter. Not the incisive scalpel but the furious axe may make the cut. If that fear is realised then one limb of the Service may suffer injury even to the extent of impaired function, and in the interests of the public not less than of chemists there must be immediate, unanimous and effec-tive protest.

Export Trade in February

UNITED Kingdom exports in February experienced the customary fall from pre-vious months, owing to the shorter month and, in some classes of goods, a seasonal decline.

Exports of the chemicals group were valued at £9,677,493, a reduction of £738,500 from the January total but £2,825,548 above that of February 1950. Exports of this group to North America more than doubled in value by comparison with either January or the 1950 average; the increase was largely due to the very high value (£473,000) of benzol exports. Exports of manufactured drugs, medicines and medicinal preparations in February totalled £2,355,501, against £2,680,005 in the previous month and £1,338,644 in February 1950. Individual exports totals included quinine, £53,857 (£12,678 a year earlier); aspirin, £46,529 (£24,143); insu-lin, £45,832 (£21,286); penicillin salts, £371,712 (£173,637); penicillin prepara-tions, £163,995 (£23,139); and ointments and liniments, £62,827 (£44,753). Pro-prietary medicines exported were valued at £450,603, against the very high total of £540,354 in January of this year and £335,928 in February 1950. India and Hong Kong were the two principal mar-kets for medicines.

Perfumery and toilet preparations (ex-cluding perfumed spirits, essential oils and soap) exported in February were valued at £409,126, against £429,414 in the pre-vious month and £279,573 a year earlier. Of the February total, tooth-pastes, etc., accounted for £86,492, and cosmetics for £145,218.

TAXATION AND THE CHEMIST

By a Chartered Accountant

It is generally known that business profits are assessed in the income tax year following the end of the financial year of the business. The practical application of that system can, however, present confusion. A financial year ending any time after April 5, 1951, but before April 5, 1952, is the basis of the assessment for 1952-53. The Inland Revenue assumes that the profits of the business for the income tax year April 6, 1952, to April 5, 1953, are equal to those of the financial year ended in the previous income-tax year. The financial and income-tax years are, as it were, made identical.

Waiting Period

If each tax year is to be assessed on its own merits, the inspector of taxes must wait at least until the results of that tax year can be arrived at—and that, of course, must be much later in point of time. Moreover, it may involve waiting considerably beyond the end of the tax year—in fact, to the end of the financial year following. For the tax year is usually made of two parts, each in a different financial year, and in order to arrive at the results of the two parts it is necessary to consider two financial years.

A limited company pays its tax in one instalment on January 1 in the tax year; a sole trader (or partnership) in two instalments—one-half in January and the balance on the first of the following July. Obviously, without the previous-year basis, the collection of the tax would have to be further delayed. There are exceptions. A new business clearly has no previous year in the first year of its existence, and unless it commences operations on April 5. it has in its second year no full year ended in the previous tax year.

The first period—from the commencement to the following April 5—is assessed on actual results. But actual results may be arrived at by apportionment of the trader's first accounts. Thus if he commences business on June 10, 1951, he may take his first accounts up to June 30, 1952. (The choice of the termination of the trader's financial year is essentially a matter of convenience.) The 1951-52 assessment, by apportionment, would then be the appropriate proportion of the results of the first accounts. The trader would be well advised, however, to weigh up actual results against apportionments, and if necessary to have separate accounts presented for the first period. They can be prepared at the same time as the figures for the full financial year. Some substantial saving may be obtained.

The inspector of taxes is informed in due course of the date of the close of the financial year, and assessments are settled when those figures are agreed. The second assessment is based usually on the first full calendar year (actual or apportioned). The third assessment follows the general rule of the previous-year basis. There is, however, the right to have both the second and third years of assessment based on actual results. Here again, "actual" may be arrived at by apportionment or otherwise.

The last year of a closing business, too, is assessed on actual results, which may also be arrived at by apportionment. The Revenue has the right to adjust the assessment of the penultimate tax year to the actual results of that tax year. Again, it may be by apportionment or by actual results. In view of the foregoing remarks, it may be of benefit either to prolong a business or to terminate it at an earlier date.

Allowance of Expenses, etc.

Those expenses are allowable which arise in the ordinary course of the business and for the purposes of that business. They are chargeable in those circumstances even though they may not be necessary or compulsory for maintaining the business. Outstandings will, of course, be included. A consideration of some of those items of expense deserves attention.

Where premises are freehold or leasehold, the net annual value (Schedule A) is chargeable. If rent is paid, then that or the net annual value is allowable, whichever is the higher. If clerical or other work is undertaken at home (and not a few chemists are so involved) then some proportion of the appropriate rent, rates, light and heat, telephone, etc., should be calculated and charged to the business.

If a proprietor's wife performs any duties in connection with the business, then it is permissible to charge a salary, provided it is payable to her. If she earns more than the minimum laid down, then P.A.Y.E. should be deducted from her salary and paid to the collector of taxes every month. It should be remembered

hat such salary will obtain the following urrent allowances: — Allowance for Tational Insurance, if any; additional per- nal allowance (four-fifths of her earned ncome up to a maximum of £110); earned ncome allowance (one-fifth); the first £50 f her taxable income at the reduced rate f 2s. 6d.; the next £200 payable at 5s. emuneration may therefore with some dvantage be paid for a wife's services. Iowever, if she is a partner in the busi- ess she is not liable to P.A.Y.E., though he bears her appropriate share of the in- ome tax levied on the firm, her due allow- nces being given against that share.

Drawings by Trader or Partner

Drawings by a sole trader or partner, whether on account of profits or by way f salaries, are not a chargeable expense. alaries, like other drawings, are considered o be withdrawals in advance of computed rofit or share of profit. A limited com- any, however, is a separate entity, and irectors are its employees; all drawings above the minimum) are subject to P.A.Y.E., and the company is assessed and ears tax in its own "right". Its em- loyees bear tax on their salaries (after eduction of expenses that are necessary r compulsory in their employment). One isadvantage, for so it may be considered, f a limited company has been noted: it nust pay its tax in one instalment. A econd disadvantage may be mentioned. A ole trader or individual partners are in eceipt of the usual earned income allow- nce, but a limited company does not ob- ain that or any of the other allowances which are individual. Shareholders, of course, obtain personal allowances but not he earned income allowance, as dividends are not considered to be earned income, hough if they are employees they obtain he earned income allowance on salaries. t may be preferable, therefore, up to a oint, to increase salaries (e.g., by way of onus) at the expense of net profits.

Running expenses of cars used partly for rivate purposes are disallowed according o the extent of such use. Such apportion- nents are usually broad fractions. Sup- lies of goods may be collected or delivered nd care should be taken that travelling xpenses (in the course of business, not to nd from the business) should be recorded n some satisfactory manner. There should e no objection to an aggregate weekly ntry for small travelling items, fares, taxis, tc., or even an average weekly estimate, rovided it is not too large. The inspector may even be prepared to accept a limited annual sum. Any expenses for entertaining (such as goodwill maintenance, cigarettes to travellers, etc.) should also be recorded in the same way. Christmas boxes to employees or customers, tips and gratuities are allowable.

A limited company must, of course, conform to the Companies Act and keep books of a sort, but a sole trader or partnership cannot be compelled to do so, though his or its position could become extremely awkward if no sort of records were kept —the onus would be on them to prove estimated assessments incorrect.

National and life insurances are deductions from personal assessments and are not chargeable as expenses. General insurance is allowable, but sums recoverable under an insurance where the premium was charged must be included with profits. Losses covered by insurance are not allowed. Bad debts, specific and estimated, and legal fees for debt collection, are chargeable. Professional subscriptions are, of course, allowable, as is laundry of overalls and towels, etc.

Items such as ground rent, from which tax is deducted, are added back to the profit, as by that means the Inland Revenue collect the tax so deducted. Rent is an exception, tax being paid under Schedule A. Legal fines or fees in connection with the purchase of the property, first name plates, private or domestic expenses, premiums on leases, sums paid by way of goodwill, and other capital expenditure cannot be treated as items of expense for tax purposes and will be added back accordingly. It should be noted that repairs which are improvements are not allowed, but repairs in excess of the statutory allowance may be the subject of a special excess maintenance claim.

Capital Allowances

Assets such as furniture, fixtures and fittings, cars and vans, plant, machinery and apparatus are subject to capital allowances which comprise an initial allowance of 40 per cent. of the amounts paid and also a wear and tear allowance at a fixed percentage (according to the type of asset) which is usually taken on the cost less allowance give in previous years. If hire-purchase is the method of acquisition, interest is chargeable to profits, the capital allowance being based on the cash price.

Repairs regarded as an improvement to an asset subject to capital allowance also receive the allowance. If such assets are

sold, and the loss is less than the capital allowances granted, the difference must be added back or alternatively the excess loss given. The effect is to grant no more than the capital loss. But assets sold after the permanent cessation of the business are not subject to any further assessment or allowance. That should be carefully noted.

Income

Income must include all credit sales, even if accounts are still unpaid. Thus, strictly speaking, all monies due on N.H.S. prescriptions should be brought into account. That raises a point of contention, especially in view of the Companies Act, 1948, in which it is laid down that auditors must report to the members of the company on whether the profit and loss account shows a true and fair view of the profit for the year. Amounts due from Executive Councils, which may hold up their final payments for many months, are not to be anticipated; estimates of prescriptions sent in for pricing are liable to differ from amounts eventually received. Should accounts be held up therefore until all prescriptions for the financial years are paid? But there is a statutory limit within which accounts of limited companies must be presented to a general meeting. Such delay may be possible for those businesses that are not limited companies. It is probably adequate and most expedient to make the best estimate. Manuscript prescriptions will have been sent away for pricing and auditors will not have access to them and so cannot check them; they may therefore wish to make some note in their report.

Rent received from premises above a shop may be left to separate assessment or included with business profits. It will be appreciated that in either case the proportion of rent paid is offset. In the former case, the appropriate statutory repairs allowance is given, in the latter the actual repairs expended. By bringing them into the business account, a bad year may obtain immediate and automatic benefit.

Stock Valuation

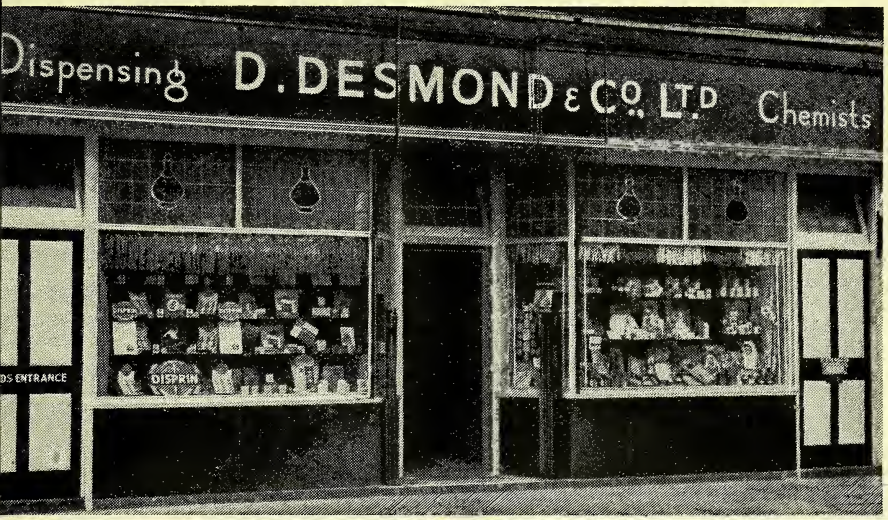
The inspector of taxes usually requires that stock should be valued at the end of the financial year at "cost or market value, whichever is the lower." The usual procedure is a physical stocktaking, and that is necessary with a limited company. Unless the retailer is prepared to keep stock records of purchases and sales, estimates must inevitably enter into the taking of stock. Finally, though losses are to be avoided, they may be carried forward and on occasion offset against other income.

MEDICAL ABSTRACTS

Reactions During Antabuse Therapy.—Bennet, McKeever and Turk ("Journal of American Medical Association," **145.** 483) describe reactions in six out of thirty-seven chronic alcoholics treated with tetræthylthiuramdisulphide (Antabuse). They suggest that the action of the drug interferes with oxygen utilisation in the nervous tissues, and warn that patients treated with the drug should be watched carefully if liver dysfunction or pre-existing organic brain damage is suspected. Dosage was reduced in fifty later cases treated by the authors and the untoward reactions were not experienced.

Cortisone in Iris Inflammation.—Eight out of nine patients with iritis reported disappearance of pain on being treated by Koff and colleagues ("Journal of the American Medical Association," 1950, **144,** 1259-60) with 0.2-0.4 mil of a 2.5 per cent. solution of cortisone acetate by subconjunctival injection. After twenty-four hours gelatinous exudate had dispersed and hyperæmia of the eye-ball had markedly decreased. Iris adhesions unresponsive to atropine were removed and the pupil became widely dilated. No more than three injections were found necessary for complete treatment. The authors consider that cortisone changed iritis from a refractory to an easily controlled condition.

Anæmia Treated with Penicillin.—Foy and colleagues ("British Medical Journal," 1951.**1.**380-83) describe the treatment of a case of megaloblastic anæmia with 400,000 units of crystalline penicillin G daily for seven days. A rise in the patient's reticulocytes to 37 per cent. was followed by a rise in the hæmoglobin and red blood cells. No other treatment was given. The response appeared to be the same as that obtained from potent liver extract, folic acid, vitamin B_{12} and Marmite. The authors suggest that the action may have been (a) to destroy some organism that was competing for hæmopoietic substances; (b) to remove some hæmopoietic antagonist; (c) to prevent the absorption of glutamic acid by competing organisms; or (d) to affect the metabolism and excretion of some essential amino-acids.



THE PROFESSION IN PRACTICE

2.—The Pharmacy of D. Desmond & Co., Ltd., 3 Freemasons Road, London, E.16

THE main pharmacy of D. Desmond & Co., Ltd., situated in Custom House (in the London docks area), has been planned to enable the shop always to be kept clear of delivered goods, and to allow customers, if they wish, to attend the dispensary without entering the shop. To achieve this, part of the shop frontage (on the left) has been given over to a goods entrance leading to the stock room, and on the right to a dispensary entrance leading via a wide passage, which also serves as a waiting room for thirty people, to the dispensary hatch. The waiting room also communicates with the shop. The dispensary is screened from the serving hatch, and has a rubber-covered dispensing counter 10 ft. long, fitted with two sinks, and with partitions below for bottles, drawers for corks, etc. The counter has a built-in illuminated and warmed glass ointment slab and (for the simpler aseptic work) an aseptic dispensing screen. Stock mixtures are prepared on a second bench, and a third bench is reserved for miscellaneous operations. Also housed in the dispensary are a refrigerator, a sheet steel Dangerous Drugs cupboard, and a steel filing cabinet of manufacturers' literature, which is much used by local doctors. On the ground floor also is a surgical fitting room. On the first floor, where tests showed that bacterial contamination was less, is a dispensary licensed under the Therapeutic Substances Act. It consists of a preparation room and a sterile room. It was decided to make the rooms as small as possible consistent with the efficient handling of the estimated amount of sterile work. The sterile room therefore measures about 5 ft. x 3 ft. The working bench is formed by a 1 in.-thick toughened plate glass shelf built into the wall without brackets, and is equipped with a specially-made Perspex screen, a dispensing balance, and an ampoule sealer. The walls are tiled from floor to ceiling with white glazed tiles. The door, opening from the preparation room, is white enamelled, self-closing, and fitted with a foot-operated suction lock, and small glass window. The ventilator is packed with non-absorbent cotton wool. The preparation room is approximately 7 ft. x 3 ft. 6 in. in area. On an end wall are fitted a sink (two taps, one wrist-operated) and an opalite covered bench, both with storage cupboards below. An electric oven is accommodated in a recess adapted to the purpose. An autoclave stands on a corner shelf, below which is a small foot-operated dressings bin for waste material. A glass case on one wall houses syringes and other apparatus. The door to the room is approached by a porch protected by a plastic curtain.

ASPECTS OF ATOMIC RESEARCH

At a meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society on January 17, Mr. S. Hughan presiding, Mr. A. Dalziel, B.Sc., gave an address entitled "Some New Aspects of Atomic Research." Extracts from his address are given below.

The question what holds the nucleus of an atom together has been puzzling in the past. The nucleus of an atom consists of a number of protons, which have a positive charge and are mutually repellent. Yet the nucleus of an atom holds together with a stability unexplained by chemistry. The problem was tackled with success for the first time in 1935 by a Japanese named Ukawa, who came to the conclusion that there was an interplay between neutron and proton. In some way a positive charge was thrown from one to the other; the neutron, with no charge at all, received a charge from the proton and the two changed places. That interchange of charge continued. It had to take place in a very short time (10^{-19} second). Postulating that small time for the interplay to take place within the proton and neutron, he was able to throw some light on the way in which the central nucleus was kept together. It was in that interplay of neutron and proton, throwing the positive charge from one to the other, that the secret of the binding force lay.

Then there was the question of the spin —"angular momentum." Ukawa had to postulate that the throwing of charge from the one particle to the other was not simply an interchange of a body of electron mass but a body that must have at least 150 times the mass of the electron. There was no particle known to be 150 times the particle of the electron. He gave the name mesotron (now meson) to the assumed particle and three years later the particle was discovered in cosmic rays, and the discovery was hailed as a victory for Ukawa's theory. The particle discovered was taken to be the prophesied meson and accepted as such for eight or nine years.

Bristol Scientists' Work

A team of Bristol scientists in 1947 showed that the meson in the cosmic rays could not be the meson of Ukawa's theory because it did not maintain the balance necessary in the atom. Their experiments brought to light the existence of another meson with a mass of about 285 ± 7. It became obvious, however, that the new meson was one that fitted the Ukawa theory. In the Berkley Institute, California, a huge cyclotron has been built that can produce mesons artificially. It has been found that there are four types of mesons and the one that fits Ukawa's theory is known as the π meson, which has a mass of 285 ± 7. It turns out to be very radioactive and has a very short life period (10^{-8} second). It decays to a new form called the μ-meson by throwing off neutrinos. The π mesons have a "life" of 10^{-8} second, when it decays by throwing off a neutrino and becomes a μ-meson. ($\pi \rightarrow \mu$ + neutrino.) The μ meson has a life period about 100 times as long (10^{-6} second) and then decays to an electron by throwing off neutrinos. $\mu \rightarrow e + 2$ neutrinos.

A New Meson

Recently another type of meson has been found (τ meson or tau meson). The mass of the new meson lies between 750 and 1,000 electron masses. Its "life" period is very short, certainly under 10^{-10} second, and it decays to a π meson ($\tau \rightarrow \pi$ + neutrinos).

Dynamic investigation of the atom has resulted in the calculated conclusion that there is a limit to the number of atoms that can exist and that there is an upper limit beyond which the atom simply cannot hold together—up to 136.

Consideration of the binding energy—another approach to the completion of the table of elements—indicates that the number of possible elements is limited. If binding energy is plotted on a base of atomic numbers, the graph rises steeply from hydrogen to krypton, remains at a fairly high value from krypton to barium, then falls towards uranium and the trans-uranic elements. It is possible that elements beyond No. 98 do not exist because their nucleii cannot bind the neutron.

Theory of the Hydrogen Bomb

The idea of the hydrogen bomb came from astro physics and the peculiar energy change in its simplest form involves the change of hydrogen into helium with release of great energy as shown below:—

$$_6C^{12} + {}_1H^1 \rightarrow {}_7N^{13} + \gamma$$

Carbon with mass 12 and charge 6 absorbs a hydrogen mass 1 and charge 1 to form a nitrogen mass 13 and charge 7 and throws out gamma rays.

$^{13}N \longrightarrow {}_6C^{13} + {}_1p^0$ 7 — N^{13} is radioactive, throws out a proton mass nil charge 1 and forms carbon isotope mass 13 charge 6.

$^{13}C + {}_1H^1 \longrightarrow {}_7N^{14} + \gamma$ — ${}_6C^{13}$ absorbs hydrogen mass 1 and charge 1 to form nitrogen mass 14 charge 7 and throws out gamma rays.

$^{14}N + {}_1H^1 \longrightarrow {}_8O^{15} + \gamma$ — ${}_7N^{14}$ absorbs hydrogen mass 1 and charge 1 to form oxygen mass 15 and charge 8 and throws out gamma rays.

$^{15}O \longrightarrow {}_7N^{15} + {}_1p^0$ — ${}_8O^{15}$ is radioactive, throws out a proton mass nil charge 1 and forms nitrogen isotope ${}_7N^{15}$.

$^{15}N + {}_1H^1 \longrightarrow {}_6C^{12} + {}_2He^4$ — ${}_7N^{15}$ absorbs hydrogen ${}_1H^1$ and forms carbon ${}_6C^{12}$ and helium.

$4\,{}_1H^1 = {}_2He^4 + 2\,{}_1p^0 + 3\gamma$ — On adding the equation the catalysts cancel out and 4 hydrogen atoms have been built into a helium atom by shedding two protons.

The change releases tremendous quanties of energy. The straightforward acon will not produce explosion, and repreents the state of affairs in the sun from hich its heat and light are derived.

The uranium atomic bomb cannot be ade greater than a critical size. A hyrogen bomb of equal mass is between ,000 and 4,000 times as powerful but ere is no limit to the size of the hydroen bomb. To get the explosion two rections are possible, namely:

1) ${}_3Li^7 + {}_1H^1 \longrightarrow 2\,{}_2He^4$ — Lithium mass 7 charge 1 absorbs hydrogen, ${}_1H^1$ to form helium mass 4 charge 2.

2) ${}_5B^{11} + {}_1H^1 \longrightarrow 3\,{}_2He^4$ — Boron mass 11 charge 5 absorbs ${}_1H^1$ to form helium mass 4 charge 2.

The hydrogen must be energised to a emperature of fifteen million degrees to ccomplish the action, which is only posble by the heat wave from a uranium omb. Thus a uranium bomb must be sed as a fuse for the hydrogen bomb. he explosion may be facilitated by using ne isotope of hydrogen ${}_1H^3$ which has reater mass and therefore greater momenum. As the explosive reactions require lithum and boron present to feed them, there is o possibility, as has been suggested, that ne explosion would energise hydrogen in ir as water vapour and would, therefore, travel round the world. For future research, teamwork between physicists and chemists is necessary.

GLASGOW ASSOCIATION DINNER AND MEETING

The first annual dinner and dance of the Association of Glasgow Pharmacists was held on February 27. Welcoming the company, Mr. J. D. Mair (Association president) said that while the Association did not wish to infringe on the social activities held by pharmacists in Glasgow, it was felt desirable that at least one annual function should be held. Mr. P. Ferguson, J.P. (chairman, local Pharmaceutical Committee) proposed "The Association." Mr. Mair, in reply, said that, in view of the quickly changing social administration of the country, only strongly united professions could hope to keep their place in the social scale and negotiate successfully. The Association planned to bring together all pharmacists and provide them with a platform to discuss their problems. Mr. T. Morrison (vice-president of the Association) proposed "The Guests" and Mr. S. Hughan (chairman, Glasgow South West Scottish Branch, Pharmaceutical Society) replied.

At a meeting of the Association held on March 1, the following motion was carried:—"That the growing practice of marketing by different manufacturers of the same formula under different proprietary names is interfering with the efficiency of the Pharmaceutical service and that a Committee be formed to contact other interested bodies on the matter." Mr. D. Mair, who was in the chair, said that frequently time and money were spent on telephone calls tracing a proprietary which turned out to be another make of preparation already in stock. A short-lived demand for some preparations meant that stocks were left on their hands, whereas, before N.H.S., they could develop a demand by their own endeavours. Although he felt the doctor must be free to prescribe, Mr. Mair maintained that the Health Service should be protected against exploitation. There was no intention, he said, to interfere with "the fine work of ethical houses" who, he felt, would welcome control against "mere imitators." The methods adopted in France and the United States in tackling that problem were instanced by Mr. Mair and other speakers in the discussion on the motion.

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Chemists and Rearmament

SIR,—It would, I suggest, have been more appropriate if the contributor of the article published in last week's issue (p. 339) had signed himself "Woe is me." Of course there will be shortages and difficulties, restriction and prohibitions, uncertainties and changing conditions in pharmacy, just as there were during the last national emergency. But it must be borne in mind that opportunities to be of service to the public were also greater than ever before. Pharmacy and pharmacists were given many priorities in various ways in order to be able to maintain an essential service for the public. No chemist who was in business during that period can contend that conditions made his situation impossible. Nor is there any need to suppose they will become so.

TILL RINGER.

Payment for Contractors

SIR,—I have noticed rumours recently (see *C. & D.*, March 24, p. 367) of an examination into the remuneration of chemists. I agree that it is due although not in the way some people think. However, first things first. Let us be paid up before any question of remuneration is considered. I have had no settlement since last August. The supplementary cheque for April to August was £14 10s. The amount received on account for three months was £295, so my supplementary was approximately 5 per cent. My account sent with the initial payment for August contains the explanation: "At the rate of 90 per cent. of your average total cost per prescription reduced by 7½ per cent. for September 1949 rounded to the nearest pound below." This is practically a reduction of 20 per cent. based on the previous year's cost for which we are getting 5 per cent. back. As more patent and expensive medicines are being prescribed this year than last we are probably not making any profit on the dispensing. There must be a good many young chemists to whom this state of affairs is a nightmare. Lastly I am supplying bottles for 1½d. for which I am paying 3d. to 6d. Very few people bring bottles now. If I ask for a bottle, the patient invariably says "Oh, I did not think I needed to bring one now."

Taunton. W. VARLEY.

"Family Doctor"

SIR,—In its first venture in lay journalism the British Medical Association has shown itself aware, as you have pointed out (*C. & D.*, January 24, p. 380), of the need to protect the public against the dangers of self medication. Unfortunately its methods when applied in the advertisement pages of "Family Doctor," create at least as many difficulties as they solve. To suppress mention of proprietary medicines yet admit closely allied products such as vitamin preparations (they are all "medicine" to the public) is surprising and invidious, and at least one doctor of my acquaintance regrets the omission of simple and time-honoured types of proprietary medicaments. When it does venture into the realm of the simple home remedy, "Family Doctor" needs watching. Pharmacists will learn with something akin to consternation that caustic potash is recommended for treating corns; they will be ready to warn patients who try to buy what they may picture as a sort of unbranded corncure stick.

PRO PATIENTE.

LECTURES ON PACKAGING

ADDRESSING the northern area, Institute of Packaging, in Manchester, recently, Mr. Michael L. Forster (director, Forster's Glass Co., Ltd.), said that bottles generally were now 20 per cent. lighter than pre-war. A thinner walled bottle would stand up to a sharper temperature drop. Resistance to breakage by impact has been overcome by "streamlining" and the avoidance of sharp angles and small radii, and by curving in the side walls towards the base. For strength the round bottle was supreme; the more regular the shape the stronger the bottle. Fancy shapes with numerous sharp corners (sometimes acceptable for sales appeal) were weaker.—Guidance on the correct methods of selecting, using and storing gummed tape for commercial packaging purposes was given to members of the Southern Area of the Institute at the January meeting by Mr. G. B. Weldon (Samuel Jones & Co., Ltd.). Examples of packages, machines, and photographs were used by the speaker to show how large export packages were safely packed using gummed sealing tape, effecting economies in materials and time.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, March 28

A ROUTINE trade was transacted in the few days prior to the Easter holiday and since the re-opening of the markets most sections have been rather quiet with the imminence of the Budget a contributory factor. Inquiry for PHARMACEUTICAL and FINE CHEMICALS generally is substantial in volume, but in virtually all directions shortages of supplies are reported. CITRIC and TARTARIC ACIDS and their SALTS are in good demand. ASPIRIN and a number of ALKALOIDS remain short. Prices are little changed on the week; a small increase is reported in the rates for BARIUM SULPHATE (*x*-ray). Only a small trade in CRUDE DRUGS has been carried on. Merchants have welcomed the announcement (see p. 394) of the Board of Trade that from March 28 the "World" open general licence has been extended to include a long list of drugs from any country without the necessity for obtaining individual import licences. MENTHOL is a very firm market, as a result of the recently imposed export tax by the Chinese Government. At present there are no offers from Shanghai and Hong Kong, while it is understood that Brazil has withdrawn offers though there are resellers of Brazilian menthol for June-July shipment at from 88-89s. per lb., c.i.f. Further shipments of GUM ACACIA from Port Sudan are responsible for an easing in the spot market. KARAYA is a firm market. Prices of TRAGACANTH are well maintained. In ESSENTIAL OILS, a substantial inquiry has been received for Chinese PEPPERMINT. A good business has been done on the spot market at 36s. to 36s. 3d. per lb., with available supplies now rather short. It appears that offers from China are few in number.

U.S. Drug and Chemical Report

New York, March 22

SHORTAGE of a wide range of FINE CHEMICALS is facing American consumers and there is a brisk inquiry for the relatively small quantities available on the market. Demand for TARTRATES is running well ahead of supplies and, as a result, a keener interest is being shown in the resale market for any small lots that are available; import prices are far above selling rates of domestic makers, which currently range from 39½ to 45 cents as against an imported price of 64 cents per lb., duty paid. SALICYLATES are meeting with good inquiry, especially ASPIRIN which is reported in an exceedingly tight supply position. Some of the SULPHONAMIDE drugs are scarce and such items as ACETANILIDE and PHENACETIN are difficult to obtain. A firmer tone prevails in MERCURY with current quotations ranging from $216 to $218 per flask. This level however is still below replacement costs when import duty is added.

Spot supplies of CRUDE DRUGS are rapidly decreasing and because of price-ceiling regulations some importers are unable to make replacements. Among the GUMS, ACACIA and KARAYA display considerable strength. There is a reasonably good inquiry for the former and spot prices are well maintained reflecting the strength in the primary centre. Firm conditions prevail throughout the ESSENTIAL OILS market. Demand for all CITRUS OILS is expected to become more active. Spot stocks of LIME are reported at a rather low level and comparatively few offerings are coming from the sources.

Pharmaceutical Chemicals

AMPHETAMINE.—BASE is from 65s. to 68s., and SULPHATE from 56s. to 59s. per lb., as to quantity. *d*-AMPHETAMINE is from 650s. to 700s. per kilo.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE for small quantities are in the region of 10s. to 10s. 2d., and for SODIUM TARTRATE from 11s. 2d. to 11s. 4d. per lb. CHLORIDE is from 6s. to 6s. 3d. per lb. SULPHIDE is quoted at from 290s. to 300s. per cwt.

ASPIRIN. — In short supply. Current price for 10-cwt. lots is 3s. 11d., and for 1-cwt. lots, 4s. 0½d. per cwt. Scheduled rates for quantities of 28 lb. and under 1-cwt. range from 4s. 9½d. to 5s. 1½d. per lb., as to pack. Rates per 1,000 for bulk supplies of TABLETS are as follows:—Under 5,000, 4s. 2½d.; 5,000 and over, 4s. 0½d.; 10,000, 3s. 11½d.; 25,000, 3s. 9½d.; 50,000, 3s. 6½d.; 1,000,000, 3s. 5½d.; 2,000,000, 3s. 4½d.

BARBITONE.—Current rates per lb. are: 1-cwt. lots, 36s.; 28-lb., 37s.; 7-lb., 38s. The SODIUM derivative is 1s. per lb. more than the base.

BARIUM SULPHATE.—Dearer. 1-cwt. lots of B.P. (*x*-ray) are now 1s. 5d. per lb. Scheduled rates per lb. (containers in brackets) for quantities between 28 lb. and 1 cwt. are as follows:—1s. 8d. (28-lb.); 1s. 9d. (14-lb.); 1s. 9½d. (7-lb.); 2s. (1-lb.).

BENZOIC ACID. — Quotations are from 2s. 10d. to 3s. 5d. per lb. The SODIUM salt is from 2s. 8d. to 3s. 3d. per lb.

BROMVALETONE. — Quotations are from 40s. 6d. to 42s. 6d. per lb.

BUTOBARBITONE.—Prices are from 72s. to 73s. per lb., delivered in the U.K.

CAFFEINE. — Home-trade rates per lb. for 1-cwt. lots are now: ALKALOID, B.P., 40s., and anhydrous, 41s. 6d.; CITRATE. B.P.C., 24s.; SODIUM BENZOATE, B.P., 25s.; SODIUM SALICYLATE, B.P.C., 26s. CAFFEINE SODIUM IODIDE in 28-lb. lots is 33s. per lb.

CITRIC ACID.—Supplies remain short; in good demand. British makers quote 1s. 9d. per lb. for 5-cwt. lots, less 5 per cent.; 1-cwt., 1s. 9d. per lb.

CYCLOBARBITONE. — BASE and CALCIUM DERIVATIVE in 14-lb. lots are 79s. 6d. per lb.

ETHER.—Current rates per lb. for ETHER, TECHNICAL, B.S.S., and SOLVENT, B.P., are as follows:—10-cwt. lots, 1s. 8½d.; 5-cwt., 1s. 9½d.; 48-lb., 1s. 10½d.; 24-lb., 2s.; under 24-lb., 2s. 3d. Rates for ANÆSTHETIC, B.P., are as follows: 10-cwt. lots, 2s. 7d.; 5-cwt., 2s. 9d.; 1-cwt., 2s. 9½d.; 72-lb., 2s. 11d.; 36-lb., 3s. 1d.; 12-lb., 3s. 5d.; under 12-lb., 3s. 7d. per lb. The foregoing prices are for ethers packed in winchesters: in 1-lb. bottles (charged and returnable) prices are 2½d. per lb. more; in drums, 1½d. per lb. less.

GLUCOSE.—LIQUID, B.P., in 25-cwt. lots, is quoted at £66 5s. per ton in non-returnable 5-cwt. drums; smaller quantities are upwards of £67 per ton.

HEXYLRESORCINOL. — Small quantities are about 180s. per lb.

HYDROCYANIC ACID. — B.P.C. (Scheele's) is quoted at from 1s. 5½d. per lb. and B.P. at 1s. 1½d. per lb.

ICHTHAMMOL.—In drums, quotations are from 3s. 6d. to 3s. 9d. per lb.; in 28-lb. tins, 4s. 1½d.; in 7-lb., from 4s. 3d. and in 1-lb. tins, from 4s. 6d. to 5s. per lb.

LACTOSE.—English, in 1-ton lots packed in 2-cwt. kegs, £142 per ton; in 1-cwt kegs, £143 per ton. In 1-cwt. paper-lined bags, 5s. per cwt. less than the above rates. Delivered in the United Kingdom.

MAGNESIUM SULPHATE. — Small crystals in 1-ton lots are 20s. 6d. per cwt.; 5-cwt. lots, 22s. 6d. per cwt.; 1-cwt., 23s. 6d. Medium crystals are 2s. 6d. per cwt. extra. Exsiccated is 44s. 6d. per cwt.

MAGNESIUM TRISILICATE (B.P.)—Prices (per lb.); in the home market are unchanged. Not less than 1-cwt., 3s. 7d.; 5-cwt., 3s. 5d., in 28-lb. containers.

MANDELIC ACID. — 1-cwt. lots in 28-lb. containers are quoted at 10s. 6d. per lb. CALCIUM SALT is also 10s. 6d. and SODIUM, 11s. per lb.

OXALIC ACID.—In quantities of 1-ton and less than 2 tons, spot material for the home trade is £133 10s. per ton, in 5-cwt. casks; 10 cwt.-1 ton, £138 10s. per ton; 5 cwt.-10 cwt., £143 10s. In 1-cwt. kegs, prices are £4 per ton more; quantities of less than 5-cwt., £162 10s. per ton. Packages free; delivered in U.K.

PHENACETIN. — 1-cwt. lots are 5s. 9d. per lb.; 56-lb., 5s. 10d.; 28-lb., 6s.; less, 6s. 6d. per lb.

PHENAZONE.—Prices are from 19s. 3d. to 19s. 6d. per lb., as to quantity.

PHENOBARBITONE. — BASE and SODIUM are 36s. per lb. in 1-cwt. lots., 28-lb., 37s. per lb.

PHENOLPHTHALEIN. — 1-cwt. lots are 8s. 7d. per lb. Supplies are tight.

PHENYLACETIC ACID. — 1-cwt. lots are quoted at 5s. per lb.; smalls, up to 5s. 9d.

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.; the base is available at the same price.

PHOSPHORIC ACID.—B.P. is 1s. 4½d. per lb. in 1-2 carboy lots. Supplies are short.

PILOCARPINE. — HYDROCHLORIDE and NITRATE are quoted at 37s. 10d. per oz. in 25 oz. lots; 100 oz., 37s. per gm.

POTASSIUM PERMANGANATE. — Current home-trade rates for material packed in 1-cwt. drums are as follows:—

QUANTITY	B.P., per lb.	TECHNICAL, per cwt.
1 cwt.	1s. 6d.	153s.
3 cwt.	1s. 5½d.	149s.
5 cwt.	1s. 5d.	144s.
1 ton	1s. 4½d.	139s. 6d.
5 ton	1s. 4d.	135s.
10 ton	—	133s.

Net, delivered nearest railway station in Great Britain; drums charged extra and returnable. In 5-cwt. drums prices are 1s. per cwt. less than above. Contracts: 1 ton upwards, six months.

PYROGALLIC ACID. — Quotations per lb. for CRYSTALS are as follows: 1 cwt., 18s.; 56-lb., 18s. 6d.; 28-lb., 19s. 6d., net. Smaller quantities are from 21s. to 24s. per lb., less 2½ per cent. RESUBLIMED is 20s. 3d. per lb. for 1-cwt. lots; 56-lb., 20s. 9d.; 28-lb., 21s. 9d.; 14-lb., 23s. 3d. net. Smalls are from 24s. 9d. to 26s. 3d. per lb., less 2½ per cent.

SALOL, B.P.C. — Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are from 7s. 6d. to 8s. per lb.

STILBŒSTROL.—Quotations are from 1s. to 1s. 4d. per gm. as to quantity.

SULPHAGUANIDINE. — Rates are as follows: 5-cwt. lots, 20s.; 1-cwt., 20s. 3d.; 56-lb., 20s. 6d.; 28-lb., 21s. 6d. per lb.

SULPHANILAMIDE.—5-cwt. lots are now 8s. 6d. per lb.; 1-cwt. lots, 8s. 10d.; 28-lb., 8s. 11d.; and 14-lb., 9s. 2d. per lb.

TEREBENE.—For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

THEOBROMINE. — Home-trade rates per lb. for 1-cwt. lots are now: ALKALOID, 41s. 6d.; CALCIUM SALICYLATE, 26s. 6d.; SODIUM SALICYLATE, 26s.; SODIUM BENZOATE, 26s.

Crude Drugs, etc.

ACONITE. — Spanish *napellus* on spot, 3s. 6d. to 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 on the spot is from 9s. 3d. to 9s. 6d. per lb., duty paid.

ALOES.—Cape on spot is about 307s. 6d. to 310s. per cwt.; afloat, 300s., c.i.f.; for shipment, 300s., c.i.f., nominal. Curaçao is quoted at 295s. per cwt., spot.

BELLADONNA.—Root on the spot is offered at 4s. per lb.

CANTHARIDES.—Chinese are offered for April-May shipment at 6s. 3d. per lb., c.i.f.

CINNAMON. — Quotations for March-April shipment are as follows:—OOOO, 4s. 2½d.; OOO, 4s. 1½d. OO, 4s. 0½d.; O, 3s. 11½d.; firsts, 2s. 10d.; seconds, 2s. 9d.; thirds, 2s. 8d.; fourths, 2s. 7d.; quillings, 1s. 9½d.; featherings, 1s. 4d.; chips, 6½d.; all per lb., c.i.f. London.

GALANGAL. — Quotations for April-May shipment from Hong Kong are at 112s. 6d. per cwt., c.i.f.

IPECACUANHA. — Firm. Colombian for May-June shipment, 59s. per lb., c.i.f.; spot, 62s. per lb., nominal.

ORANGE PEEL.—Spanish bitter quarters offered at 1s. 8d. and ribbon at 1s. 6d. per lb., duty paid, spot. West Indian quarters, 1s. 3d. per lb., spot. Tripolitanian thin-cut ribbon, 2s. to 2s. 4d. per lb., ex warehouse.

ORRIS ROOT.—Steady. Florentine is offered for shipment from origin at 140s. to 145s. per cwt., c.i.f.

PAPAIN.—East African white on spot is quoted at 32s. 6d. per lb.; Ceylon white is also about 32s. 6d. per lb. with sun-dried at 27s. 6d.

QUILLAIA.—Whole bark on spot is 160s. per cwt. (cut, 190s. per cwt.).

SEEDS. — Turkish ANISE on the spot, 150s. per cwt., in bond, and 157s. 6d. per cwt., duty paid; Cyprus, 165s. per cwt. CARAWAY.—Dutch, firm at 225s. per cwt., duty paid. CELERY. — Indian quiet at 1s. 10½d. per lb., spot London. CORIANDER. — Although no official information has been forthcoming as to the estimated new crop, still lower prices are being received from Morocco. Quotations down to 115s. per cwt., c.i.f., for June-July shipment are reported, and for July-August, 100s. per cwt., c.i.f., has been indicated. Spot Morocco is quoted at 185s. per cwt., duty paid, and 175s. per cwt., in bond. CUMIN. — Market continues quiet. Spot Cyprus is quoted at 255s. per cwt.; afloat also quoted at 255s. per cwt. Indian new-crop for April-May shipment is quoted 225s. per cwt., c.i.f. DILL.—Indian is unchanged at 80s. per cwt., spot. FENNEL. —Indian is nominal at 130s. per cwt., spot. FENUGREEK. —Spot Morocco is 52s. 6d. per cwt., duty paid in London or Liverpool.

SENNA. — Steady. Tinnevelly leaves, f.a.q., No. 2, 1s. 5½d.; No. 3, 1s. 4d.; No. 4, 1s. 3d. per lb., all ex warehouse London. Tinnevelly pods, hand-picked, 2s. per lb. Alexandrian manufacturing pods have been sold at 1s. 6d. per lb., spot.

SHELLAC.—Spot F.O.T.N., pure, is 380s.; F.O. Standard 1, 410s.; and fine orange, 435s. to 500s. per cwt.

VALERIAN.—Belgian on the spot is quoted at 185s. to 190s. per cwt., spot. Indian is 160s. per cwt., spot; for shipment, 160s., c.i.f., quoted.

Essential and Expressed Oils

ANISE.—Quiet. Chinese star on spot is offered at about 15s. per lb.; for shipment, March-April, 14s. 6d., c.i.f.

AMBER.—In steady demand. Rectified on the spot is offered at 1s. 2d. per lb.

BAY.—West Indian is firmly held at from 12s. 6d. to 14s. 6d. per lb., as to quality.

CADE.—Spanish oil, B.P., on the spot, is quoted at from 3s. 6d. to 4s. per lb.

CANANGA.—Java is offering at upwards of 70s. per lb., spot.

CARDAMOMS.—English-distilled is quoted at from 450s. per lb.; imported, from about 465s., duty paid.

CEDARWOOD.—East African is quoted at 5s. 6d. to 6s. per lb., spot London; Atlas, 4s. 3d. per lb., spot.

CINNAMON.—B.P. oil on the spot is quoted at from 52s. 6d. to 100s. per lb. English bark oil is offered at 22s. 6d. per oz. per lb., spot. Ceylon leaf, 22s. to 25s. per lb., spot, nominal.

CUMIN.—Quotations for English-distilled oil are about 67s. 6d. to 70s. per lb.

GERANIUM.—Bourbon now coming forward is about 185s. delivered. African, for May-June shipment, quoted at from 190s. to 195s. per lb., c.i.f.

LAVANDIN.—Scarce. Nominal quotations are from 40s. to 42s. 6d. per lb.

LAVENDER. — Firm. French, 38-40 per cent. linalol, on the spot is nominal at 55s. 6d. to 57s. 6d. per lb.; 40-42 per cent., 57s. 6d. to 60s. Spanish spike is from 28s. to 29s. per lb., on the spot.

PATCHOULI.—Spot quotations are in the region of 165s. to 175s. per lb.

PETITGRAIN.—Paraguay on the spot is in the region of 36s. to 38s. per lb.

PIMENTO BERRY. — English-distilled oil, 65s. to 70s. per lb. Imported oil is from 44s. to 47s. 6d. per lb., spot.

SANDALWOOD. — Mysore oil on spot is from 82s. to 85s. per lb. East Indian, Dutch-distilled (95 per cent. santalol), 95s. per lb., duty paid. West Indian is available at 25s. per lb., spot. English-distilled, 80s. to 85s. per lb.

SASSAFRAS.—Brazilian natural is offering at from 7s. 6d. per lb., duty paid, spot.

TRADE MARKS

From the "Trade Marks Journal," March 14

For photographic developing chemicals (1).
ACRYLONE, 693,371, by Ilford, Ltd., Ilford.

For common soap (3).
JOCKEY, 692,835, by Gerard Brothers, Ltd., Nottingham.

For non-medicated toilet powder, cream and soap (3).
TAH and device of women and child, 692,866, by Droyt Products, Ltd., Chorley.

For detergents (3).
JADDOSOL, 695,492, by Hope, Hartope & Co., Ltd., London, W.6.

For preparations containing khellin for muscular relaxation (5).
ESKEL, B698,711, by Smith Kline & French International Co., Philadelphia.

For insecticides (5).
ACRODEL, 689,457, by Plant Protection, Ltd., Yalding.

For medicated tonic preparations in tablet, liquid and powder form containing iron (5).
MOBIRON, 691,337, by George Wright Taylor, Walkley.

For preparations for destroying moths (5).
MOTH-KING, B691,779, by Alfred Daniel Slatkin, Michigan.

For pharmaceutical preparations (5).
ESTILLIN, 692,532, by Glaxo Laboratories, Ltd., Greenford. CALSUXIN, 693,097, by Multipax Chemicals, Ltd., London, W.1. ANDROGESTON, 695,507, by British Schering, Ltd., London, W.8.

For medicated saline preparations for liver ailments (5).
ANDREW'S LIVER SALT, 692,566-57, by Scott & Turner, Ltd., Newcastle-on-Tyne.

For dietetic foods containing milk (5).
GERILAC, 692,678, by The Borden Co., New York.

For all goods (5).
LUCODEX, 692,731, by Lucozade, Ltd., Brentford. AVINLOX, 694,618, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1. SPIROTRYPAN, 695,763, by Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-am-Main, Hoechst. HYGROSE, 695,781, by British Schering, Ltd., London, W.8.

COMING EVENTS

Monday, April 2

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. W. B. Purchase (secretary, Coroners' Society of England and Wales) on "The Work and Problems of a Coroner."

British Pharmaceutical Students Association, 17 Bloomsbury Square, London, W.C.1, until April 6. Annual conference.

West Kent Branch, Pharmaceutical Society, Central Library, Beckenham, at 8 p.m. Mr. F. G. Wells (a member of the Society's Council) on "What is Happening in Pharmacy—Present Day Problems."

Hendon and Edgware Branch, National Pharmaceutical Union, Brills Restaurant, 206 Station Road, Edgware, at 7.30 p.m. Annual meeting. At 8 p.m. joint meeting with Pharmaceutical Society Branch. Mr. H. Timmington (W. J. Bush & Co., Ltd.), on "Microbiology: The Last Fifteen Years."

Tuesday, April 3

Photographic Exhibition, Royal Photographic Society, 16 Princes Gate, London, S.W.7. Exhibition of the Pictorial Group and the Photographic Society of Pakistan (open until April 28).

Wednesday, April 4

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Professor E. J. Wayne on "Some Recent Advances in Therapeutics."

Thursday, April 5

Durham County Branch, Pharmaceutical Society, Pattinson's Dunelm Hotel, Old Elvet, Durham City, at 7.30 p.m. "Grouse Night."

Harrogate Branch, Pharmaceutical Society, Fuller's Café, Harrogate, at 7.30 p.m. Address by Mr. W. Haigh, M.P.S. (clerk of the Joint Pricing Committee for England).

Friday, April 6

South-west London Chemists' Association and Branch, A. J. Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Mr. A. R. G. Chamings (Ciba Laboratories, Ltd.) on "Recent Developments in the Hormone Field with Particular Reference to Cortisone and A.C.T.H."

Physical Society, Royal College of Science, Imperial Institute Road, and Huxley Building, Exhibition Road, London, S.W.7. Thirty-fifth annual exhibition of scientific instruments and apparatus (open until April 11).

FIFTY YEARS AGO

Morphine Compounds

In a previous paper [Messrs. Schryver and Lees] related their attempts to obtain derivatives of the alkaloid which are not additive in the respect that codeine is to morphine, where the former molecule differs by CH_2. Amongst other products they made bromomorphide (i.e., morphine in which Br replaces OH), which yielded isomorphine, a non-narcotic isomer of morphine. The present paper dealt chiefly with this body. The authors have found that hydrolysis of bromomorphide really yields two isomorphines, the new, or beta, one being obtained in small quantity only. It differs from the other in melting-point and other physical characteristics . . . The authors endeavoured to work these facts into a feasible constitutional formula, and this, contrasted with Knorr's one for morphine, suggests that isomorphine is almost the reverse of morphine, but with the acetyl and methyl groups attached to the bottom ring.

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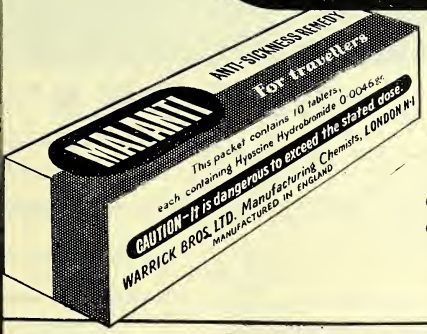

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Brief information for busy chemists: A far larger advertising campaign than has ever before been planned for Steiner Products starts in March this year. Appearing in periodicals and magazines whose customer sales total a readership of over 6,500,000 women, it concentrates on straight selling to women through Steiner stockists. Advertising will feature established lines - S3, Sebosyn, etc., as well as the ingenious Steiner Squeez-e-spray bottle, a new and smart polythene container incorporating its own spray. Steiner Products now presented in the Squeez-e-spray include Hand Milk, Setting Lotion, Lacquer Sheen, 66 Hair Perfume and Eau-de-Cologne.

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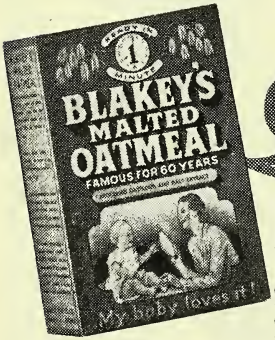

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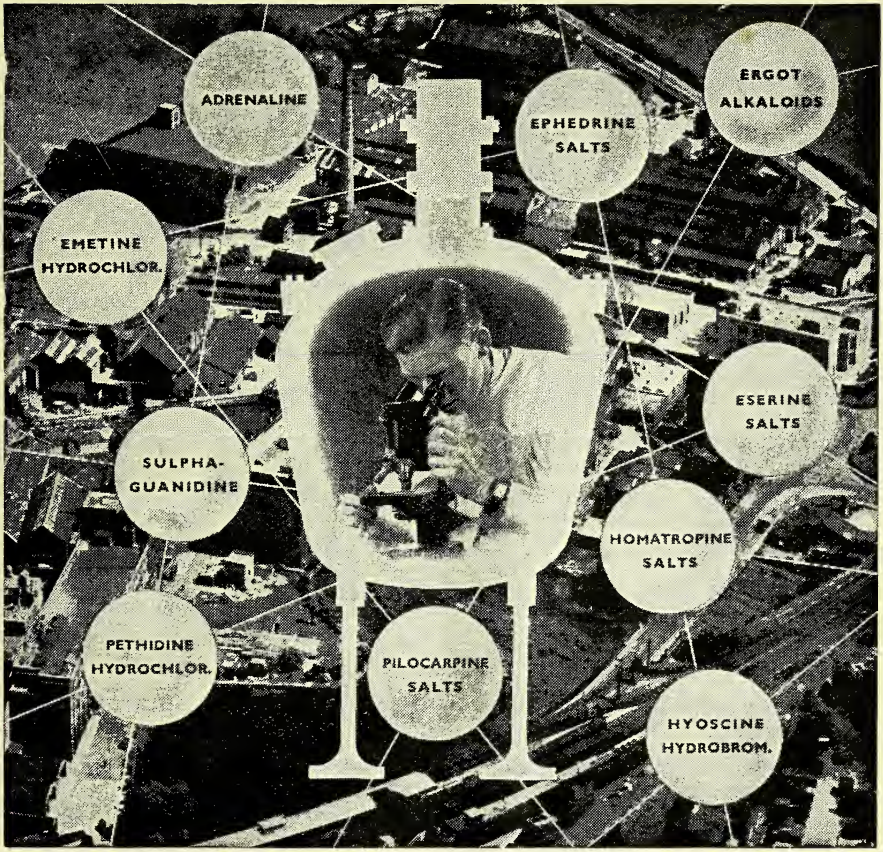

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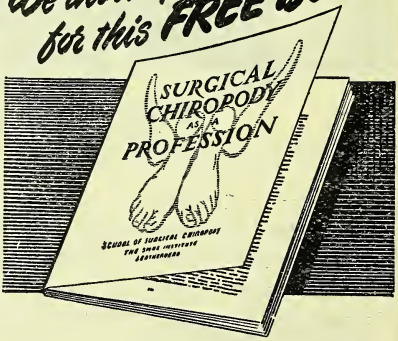

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MARMITE

revised prices

MARCH 1951

Owing to the continued rise in manufacturing, packing and distributing costs, the MARMITE Food Extract Company, Limited, regrets that it has become necessary to increase the retail prices as from 29th March 1951.

NEW RETAIL PRICES

1-oz	9d. per jar
2-oz	1/4 ,, ,,
4-oz	2/4 ,, ,,
8-oz	4/- ,, ,,
16-oz	7/- ,, ,,

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A Request to Pharmacists re Drenalgin Co.

Doctors and Physiotherapists in some districts are complaining of difficulty in securing Howard Lloyd's Drenalgin Co. (Compound Adrenaline - Ephedrine Cream).

Since this Cream is indicated for unusually refractory cases of Rheumatism, Pharmacists receiving prescriptions can help greatly by ordering without delay.

All wholesalers should be able to supply, but in case of difficulty, direct orders by post or wire will be filled by return.

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Preliminary Announcement

The CHEMIST AND DRUGGIST

POISONS GUIDE

Compiled by W. A. Whatmough, B.Sc., Ph.C., F.R.I.C.

The "C & D" KEY classification of poisons is a unique system that separates poisons into classes according to the statutory requirements governing their sale or supply.

The provisions applicable to a particular poison have to be worked out from a bewildering variety of extensions, relaxations and exemptions superimposed by the Poisons Rules and the Dangerous Drugs Regulations upon the Pharmacy and Poisons Act, 1933. Alterations since the 1944 edition of the POISONS GUIDE have been so numerous as to render previous editions quite obsolete. The extent of the changes in poisons law provisions has made it necessary to separate the Guide into two volumes—(I) classifying the poisons *per se* and (II) explaining the forms of supply applicable within its class.

VOLUME I. Poisons Lists and 'Key' (Complete Classification of Poisons).

The Poisons List and the Dangerous Drugs List, as amended, are amplified into a 96-page Extended List of Poisons. Volume I classifies over 5,000 entries into sixteen self-sufficient classes. Each entry is complete in itself owing to the "Key" data for the particular poisons giving in concise form *all* the requirements applicable to the individual item. Self-evident "Key Symbols" assist in identifying the poisons law provisions which the Class Number groups into routine requirements according to the *permissible* form of supply.

VOLUME II. Poisons Law Provisions (Co-ordinated for each Class of Poisons).

The full poisons law requirements are set out and explained in Volume II, with complete annotations to Acts, Rules, Regulations and Orders. In turn these legislative instruments are reproduced in amended form (i.e., consolidated to date of publication). Finally poisons law provisions are *co-ordinated* in simple and straightforward language under each of the sixteen classes. The reader is provided with an authoritative manual for rapid reference and quick decision.

In brief, the two Volumes comprise an encyclopædia of poisons law with Volume I summarising *what* requirements apply to the individual poison, and Volume II stating *how* these apply according to the form of supply within its class.

The Guide thus enables any supplier to become an expert in the performance of his diverse and difficult duties. The authorised seller of poisons is privileged to deal in all classes of poisons but is faced with the necessity of avoiding the pitfalls associated with indefinite, obscure or amended requirements. The systematic information in the new Guide culminates in records that provide an infallible check on compliance with all the essential provision applicable in the dispensing of Dangerous Drugs and Fourth Schedule poisons.

Hospital pharmacists and their assistants, doctors, dentists, midwives and nursing sisters are all affected by changes in poisons law.

The wholesale druggist will find much aid in enabling him to deal appropriately with requirements ranging from complying with diverse "D.D.A." authorisations to the need of avoiding sales of poisonous products to unqualified vendors. For manufacturers, the poisons labelling system with specimen labels, supplies essential details of this particular complex aspect of poisons law.

The 'C & D' POISONS GUIDE is an essential part of your business

whether manufacturing, wholesale or retail. It will safely pilot you through the intricacies of poisons legislation and provide all the information you need to comply with the law's requirements in supplying poisons by retail or wholesale.

This is the authoritative manual to the supply of poisons —a unique publication devised for rapid reference and quick decision.

VOLUME I. is just coming off the press, and supplies will be available during the next few days. Orders will be executed in strict rotation.

PRICE 20/- PER COPY

(postage 6d. extra)

VOLUME II is in course of preparation and supplies will be available in the near future when price will be announced.

VOLUME I. will be on sale at the 1951 B.I.F.

Order now and ensure that you have your copy without delay.

Orders and remittances should be sent to THE PUBLISHER :—

The CHEMIST AND DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

SILCOT *Towel Prices*

ADVANCE ON MONDAY, 2nd APRIL

The series of heavy increases in recent months in the cost of raw materials has caused an advance in the price of Silcot Sanitary Towels. This advance, which also applies to other makes of towels comes into operation on Monday 2nd April.

So that our customers might be fully informed about the position, it should be stated that the price of cotton used in the manufacture of Silcot towels has risen during the last eighteen months by no less than 180 per cent.

It will be understood that such a very great increase must necessarily have a serious effect on towel prices. As it is, the percentage increase in the price of Silcot towels during the period mentioned, including that now taking place, is considerably smaller.

In the light of these facts our customers will understand that this further price increase in Silcot towels is due to causes quite outside our control.

Owing to much higher costs of cellulose and yarn, the price of Vensilla Soluble Towels is also increased.

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Size 0	24/2½	2/8½
Size 1	28/8	3/2
Size 2	35/5	3/11
Size 3	43/5½	4/9½
Size 4	51/8	5/8
VENSILLA (Soluble)	21/4½	2/4

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This has been made necessary by the serious shortage of board and reduced supplies of new cartons available from manufacturers.

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Addis 88 Regd.

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'PYRIDIUM' administered orally in a dosage of two tablets t.i.d. promptly relieves such symptoms as painful, urgent, and frequent micturition, nocturia, and strangury. 'Pyridium' acts directly on the mucosa of the urogenital tract; its characteristic analgesic effect is entirely local, and it is not associated with or due to systemic sedation or narcotic action. Therapeutic doses of 'Pyridium' may be administered with virtually complete safety in most cases of infection or irritation of the urogenital tract.

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3 **The Strained Foods prepared by Heinz are better than home-made.**

A mother, however careful, loses valuable nutrients by cooking the foods in open saucepans, and she sometimes overcooks too. Instead of sieving, she often mashes the foods, leaving indigestible lumps.

Heinz cook the foods by methods that *keep in* the goodness, and sieve them to the consistency that is correct for the baby's digestion and bowel.

57

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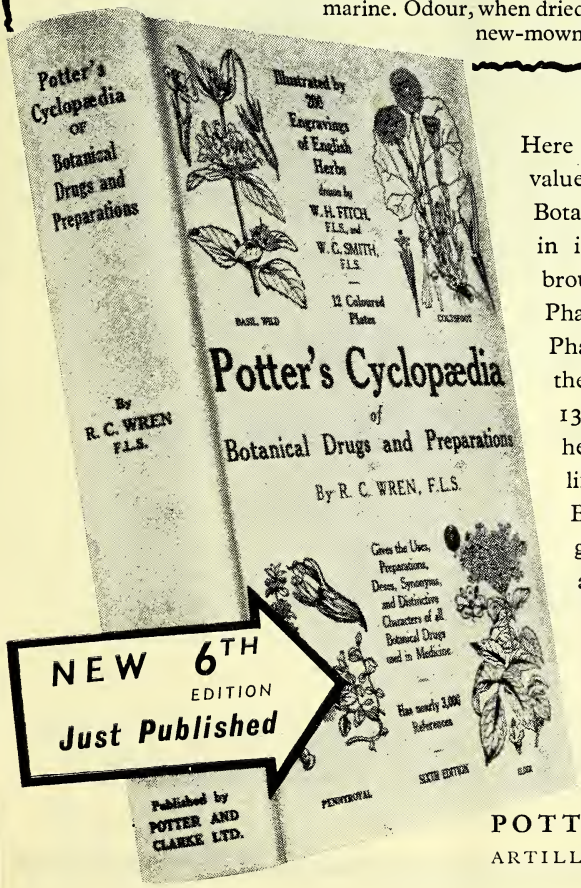
WOODRUFF
(See page 376)



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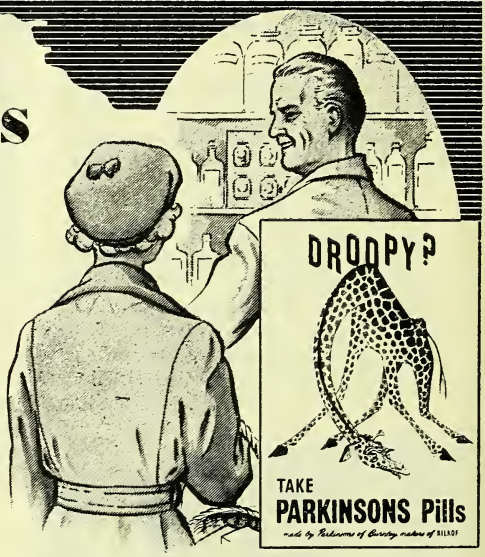
"A bottle of PARKINSONS PILLS please"

Do make quite certain that you can supply what the customer asks for. And people are always asking for Parkinsons Pills—just as they ask for Kilkof during the cough season.

The new "Droopy" National advertising campaign will give fresh impetus to their demand. Give them Parkinsons, satisfy them, and profit from repeat sales.



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Technical information, samples and quotations will be sent on request

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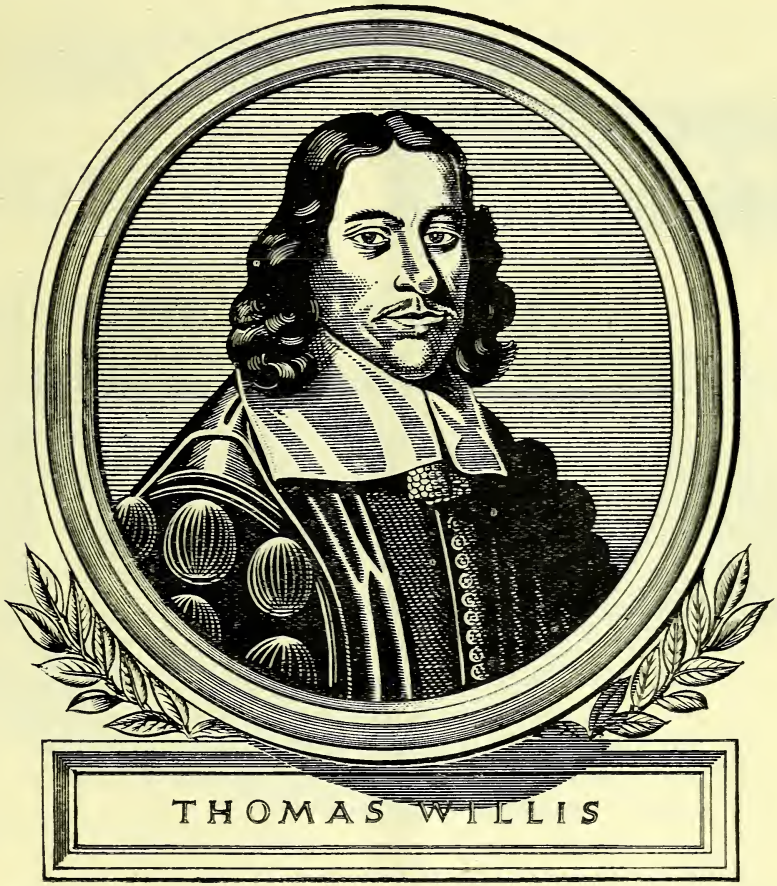

Foremost in diabetes — Diabetes mellitus was first distinguished from diabetes insipidus by Thomas Willis, the 17th century anatomist and physician. His name is indelibly recorded in the annals of diabetic research. The brand name 'Wellcome,' applied to insulins, is held in similarly high esteem by all who dispense or prescribe for the disease. Whichever type of insulin you are asked to supply, a 'Wellcome' brand preparation is available.

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increasingly prescribed for domiciliary treatment

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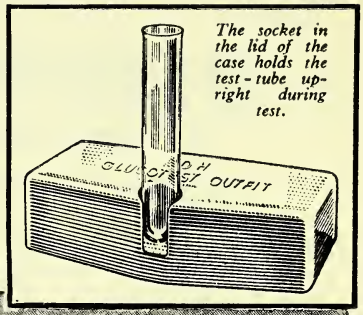
G M T.78

Urine analysis simplified



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Replacement test-tubes, droppers and colour charts are also available.

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GO/T/8

Make BIGGER PROFITS in 1951 with

"DiDiT" INSECTICIDES

★ SPECIAL BONUS OFFER ★

33⅓% Discount PLUS an EXTRA 10%

"DIDIT" POWDER
in the NEW one handed PUFFER BOX
Retails at
1/-

"DIDIT" LIQUID INSECTICIDE
Retails at
10oz. BOTTLE **2/-**
5oz. BOTTLE **1/3**

"DIDIT" Floral FLYCARDS
Retails at
Per **1/-** Packet
each containing four cards

Orders direct to manufacturers :—

RODMILL CHEMICAL CO., LTD.
ISLINGTON ROW, LIVERPOOL, 3

Come shortage-

come plenty

there will always be a big demand for

SOFTEX

the finest toilet tissue

Always the same strength and soft texture, Softex now comes in a NEW PACK. Recent tests made by Swan Mill have shown that it's the *design your customers prefer*. Display Softex in its new pack all the time and keep your customers Softex-minded. Thus, during a time of shortage, you can prepare for a time of plenty.

Visit us at Stand M 52 B.I.F. Olympia

CURRENT SOFTEX PRICES	
SOFTEX	1/6
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Britain's Trusted Brand

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STANDARD SYNTHETICS LIMITED

Actual distillers of **Essential Oils**

Manufacturers of **Aromatics, Perfume Bases and Flavours.**

We specialise in **Cinnamon Bark Oil, Juniper Berry Oil, Wintergreen Oil, Eucalyptol, French Lavender Oil, Terpeneless Lemon Oil, Rose Perfumes, etc.**

76 Glentham Rd., Barnes
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Telephone :-Riverside 3616

STARTING NOW !

National Press Advertising for Sherley's LACTOL

Sherley's LACTOL is already in tremendous demand. But with the launching of a National Advertising Campaign - the first since 1939 - sales will be soaring. Get in a good stock NOW - don't miss a penny of the big profits that are coming your way. And don't say we haven't warned you !

Lactol Advertising will appear in these papers :-

DAILY EXPRESS	NEWS OF THE WORLD
DAILY MIRROR	SUNDAY PICTORIAL
DAILY MAIL	THE PEOPLE
DAILY HERALD	SUNDAY EMPIRE NEWS

BE READY WITH YOUR STOCKS !

Orders to :- A. F. SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON S.E

DENTISTS ARE PRESCRIBING

AMUREN

Brand of

"KEMDENT"

AMMONIATED DENTIFRICE

FOR CONTROL OF DENTAL CARIES

Formula licensed by University of Illinois Foundation (British Patent Pending)

Manufactured and distributed in U.K. by

ASSOCIATED DENTAL PRODUCTS LTD.

PURTON (Swindon), Wilts.

from ALL WHOLESALERS

TABLETS MANUFACTURED *to Customers' formulae*

MODERN PLANT · PROMPT DELIVERY

QUALITY AND ACCURACY GUARANTEED

B.P., B.P.C. & N.F. tablets stocked

G.O. WOODWARD & CO. LTD.

Macaulay 4375 146 LARKHALL LANE • CLAPHAM • LONDON • S.W.4

A

ROURA & FORGAS LIMITED

Sole Sterling Area Suppliers of

ITALIAN QUICKSILVER

HANOVER HOUSE, 73/78 HIGH HOLBORN, LONDON, W.C.1

Telephone Nos. HOLborn 0517/9

HARD-SELLING

ADVERTISEMENTS

TO BOOST YOUR SALES

These are just two of a series of high-powered, hard-selling advertisements appearing in the National Film magazines. Designed to appeal to a new, wider market, they are bound to build Hollypax sales—everywhere. Be sure to reap **YOUR** *share of the resultant profits!*

STOCK — DISPLAY — AND **SELL**

holly-Pax
FROM HOLLYWOOD ★

Modern Internal-Type Sanitary Protection

Sole Distributors: FASSETT AND JOHNSON LTD
86 CLERKENWELL ROAD LONDON, E.C.1

"When I sell a bottle of . . .

MIRACLE MIXTURE

I make a friend"

Thus writes a Chemist who has a big Trade with Dog Owners

There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

Get in touch now with :—

THE HATCHWELL CO. LTD
BYRON STREET, PRESTON, LANCS
Telephone : Preston 5118

FOR DESTROYING RATS and MICE

HALLER'S EXTRACT OF SQUILL

is always in demand as it is a standard product, controlled by Bio-assay tests.

For the destruction of
Beetles, Cockroaches, Crickets, etc.,
USE

"DANZO BEETLE POWDER"

"CADOG"

Parasiticide and Insecticide in liquid form destroys all kinds of noxious insects :—
Bugs, Lice, Fleas, Moths, etc.

Address all enquiries for preparations for the destruction of Domestic Pests to :—

HALLER LABORATORIES, LIMITED
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TRADE MARK

MANUFACTURING Co., LTD

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CONCENTRATED ESSENCES
AROMATIC CHEMICALS
SYNTHETIC ESSENTIAL OILS
TERPENELESS ,,
for all purposes

SEALAND ROAD CHESTER

GRAMS: "SYNTHETICS," CHESTER A.B.C. CODES 5th & 6th EDITIONS PHONE: CHESTER 25664

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THE **NEW** 8oz. PACK

DENTO

Retail Selling Price 2/2d.

Generous Trade Terms and Discounts

AVAILABLE NOW

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GIBBON ST., ASHTON NEW RD., MANCHESTER, 11

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FAMOUS FOR TOOTH POWDER THROUGHOUT THE WORLD

COMPRESSED MEDICINAL AND OTHER **TABLETS**

made to any Shape or Size up to 1½" and supplied packed or in bulk

ALSO

CONTRACEPTIVE FOAM **TABLETS**

in the production of which we have extensive and specialised experience

★ Private Formulae Compounded by Experts ★

ENQUIRIES INVITED

★

BUCKLEY-BOWKER TABLET CO. LTD.

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ESTABLISHED OVER A QUARTER OF A CENTURY

Take it from me these products **PULL THEIR WEIGHT**

Satino

TOILET TISSUE

Satino Toilet Paper in rolls and Interleaved Super soft in boxes —Backed by Nation wide publicity.

KWICK-DRY

HOUSEHOLD TOWELS

A Boon to every housewife. Supplied (Perforated) in rolls. Further details from address below.

Details and Samples can be obtained from the manufacturers:

FREEDER BROTHERS PAPER MILLS

Brimsdown · Enfield · Middlesex

Telephone: HOWard 1847 (5 lines)

Telegrams: Softcrepe, Enfield, Middlesex

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SANITARY TOWELS

for Perfect Reliability

HIGH QUALITY

NON CHAFING

HIGHLY ABSORBENT

In various sizes

WILFRED STRETCH & CO.

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ESTABLISHED 1864

Craftsmanship in Rubber

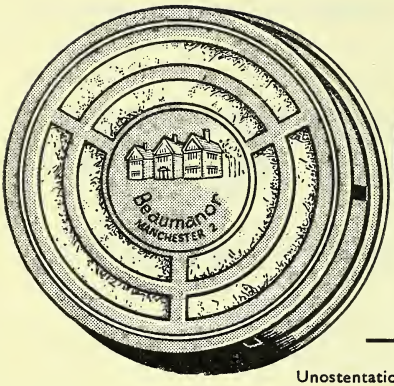
HOT WATER BOTTLES	**SURGEONS GLOVES**
SURGICAL APPLIANCES	**SYRINGES**
TEATS and SOOTHERS	**AIR and WATER BEDS**
AIR CUSHIONS	**SHEETING**

Obtainable only from your usual wholesaler

J. G. FRANKLIN & SONS LTD

INCORPORATING THE WILSON RUBBER CO. LTD.

BIRKBECK WORKS, LONDON, E.8



"Beaumanor"
Air Purifying
Unit

—designed for HOME, OFFICE and WORKSHOP

Unostentatious—with a mild perfume, yet a powerful moth repellent and deodorizer.

Hygienic
Germicidal
Deodorant

★ *Paradichlorbenzine base —no naptha or camphor content.*

Fitted in Bathrooms, Toilets, Wardrobes and Workrooms it ensures a germ-free atmosphere . . .

IN IVORY and GREEN PACKS

Attractive design. Individually boxed. Refills (2 tablets) boxed separately.

HOME TRADE ONLY

3/3 RETAIL

Liberal Trade Terms

BEAUMANOR HYGIENIC PRODUCTS LTD. · 1 POLICE STREET · MANCHESTER, 2 · (Tel.: BLA 2467)

F.H.A./C. & D.

GNOME

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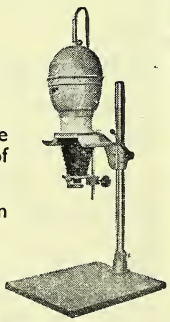
NEW
ALPHA DE LUXE
ENLARGER
2¼ in. by 3¼ in.



★ Improved appearance and performance of lamphouse.

★ Patented quick action release of arm.

★ New self-adjusting friction drive focussing.

Prices from £15 7 6 Tax Paid

Write for details to:

354 CAERPHILLY ROAD, CARDIFF

SURE-SELLING STOCK!

OVER 150 YEARS REPUTATION

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

9d. BOX PROFIT by ordering 1 dozen 3/3½ size. Bonus given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.
71 Dartmouth Rd., London, S.E.23
Est. 1787

BRITISH MADE AMPOULE FILES

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION LTD.

"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

BUY and SELL only the

3 Elegan HUMAN HAIR NETS

SUPERB TIGHT EDGE STAR

ASSOCIATE *YOUR* SHOP WITH THE Elegan NATIONAL ADVERTISING TO TEN MILLION WOMEN EACH MONTH

THE "Elegan" Hair Net National Advertising Campaign is promoting an ever-increasing flow of business into the shops of "Elegan" Stockists. So DON'T DISAPPOINT *YOUR* CUSTOMERS; display the "Elegan" Window and Counter Sales Aids and let them see that you too are a stockist of "Elegan" Human Hair Nets.

Place your order NOW:—

PRICES FOR ALL SHADES
(except Grey or White)
ELEGAN 'SUPERB'
72/- *PER GROSS*
ELEGAN 'TIGHT EDGE'
48/- *PER GROSS*
ELEGAN 'STAR'
30/- *PER GROSS*
Plus Purchase Tax

ELEGAN HUMAN HAIR NETS

ELEGAN HOUSE, 8-12 BROADWICK STREET, LONDON, W.1
Telephone: GERrard 5066 (5 lines) and at LEEDS, 11 York Place. Telephone: LEEDS 23484
or through your own wholesaler. **SAMPLES on REQUEST to NEW stockists**

I took **VULFIX** straight on the chin!

And I kept it there, whipping up a whisker wilting lather in a wink!

VULFIX "SERVICE"
obtainable through all wholesalers

Retail at **4/6, 6/9, 7/6, 9/6, 12/3, 12/6** and **21/-** each

THE BRUSH WITH THE TWO YEARS GUARANTEE

See our STAND No. K.15 at the B.I.F. OLYMPIA

VULFIX PURE BRISTLE "Service" Shaving **BRUSH**

PROGRESS SHAVING BRUSH Co. Ltd.
Mottram Street, Stockport · Phone: STOckport 2147
49 Leadenhall Street, London, E.C.3 Phone: ROYal 2857

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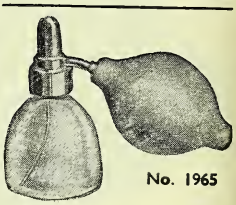
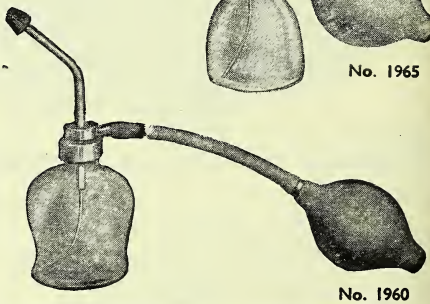
BRITISH MADE

Entirely British Made

N.H.S. Patterns



No. 1965



No. 1960

SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific Instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

Each instrument is manufactured and assembled to mathematically exact limits thereby assuring uniform performance.

Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

All components are heavily chromium plated.

All SAMCO models are *pressure* operated, thus ensuring complete atomisation.

Supplies available from your usual wholesaler . . .

ACTUAL MANUFACTURERS

S. MURRAY & Co. Ltd.

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Pharmaceutical Emulsions and Emulsifiers

by L. M. Spalton, B.Pharm., M.P.S.

Today, the pharmacist is faced with an almost bewildering assortment of emulsifying agents, all having varying properties and requiring different methods of treatment.

In this book the considerable range of these products has been classified, together with essential practical points about their pharmaceutical use. It contains chapters devoted to the theory of the formation of emulsions, properties of different emulsifying agents (classified into groups according to their structure and characteristics), the formulation and preparation of emulsions, the general methods of preparing emulsions with details of technique and causes of emulsion separation, preservation and storage of emulsion, etc.

The practical uses of emulsifiers is dealt with at considerable length, together with methods of handling each type of emulsifying agent and full notes of incompatibilities and other matters.

The book also contains a classified index of over 300 emulsion agents used in the Drug, Toilet and Cosmetic trades and other industries, with references to their composition, type and uses, together with an index of manufacturers.

Useful and up-to-date—this book provides essential information in concise form.

★ *Every pharmacist should possess a copy* **5/6** post free

Send remittance with order to :—

The Publisher, **The Chemist & Druggist**
28 Essex Street, Strand, London, W.C.2

He must have the best . . .

. . . and *she* knows

that the best is NYLON.

NYLON hairbrushes for babies

are resilient,

yet soft and gentle.

Attractive and hygienic, they

can be washed easily and

often without losing their

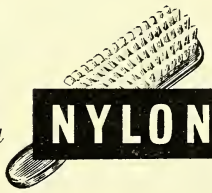
clean look and lively 'feel'.

NYLON brushes look well,

sell well

and give lasting satisfaction.

there is no better brush



than a *brush*

IMPERIAL CHEMICAL INDUSTRIES LTD.
LONDON, S.W.1

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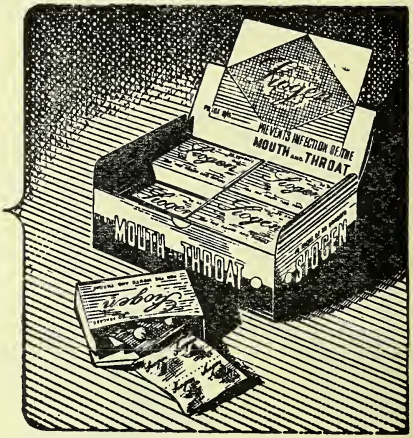
N.105

BONUS OFFER !

"SIOGEN"

Dragees



FOR THE TREATMENT OF INFECTIONS OF THE MOUTH AND THROAT; PARTICULARLY SUITABLE FOR CHILDREN

For a limited period the cartons of 20 dragees may be purchased on 13 TO THE DOZEN TERMS, yielding a PROFIT of almost 10^{d} per unit or 40%

Cartons of 20 dragees.	Retail 2/6 (inc. tax).	16/- per doz. + tax
Bottles of 100 dragees.	Retail 9/2 (inc. tax).	60/- per doz. + tax
Bottles of 1000 dragees.	25/- each net. - - -	plus 8/4 tax

Messrs. WALTER CROWE Ltd. are our Selling Agents to the Trade, and orders may be placed with their Representatives.

Orders sent by post should be addressed to:

Geigy

PHARMACEUTICAL LABORATORIES GEIGY LIMITED
NATIONAL BUILDINGS, PARSONAGE, MANCHESTER 3

Grams: GEIGYPHARM Manchester Phone: Medical Specialities Dept. MIDdleton 3933

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Raywarp
BEST SELLING RANGE OF quality HAIRNETS AND SLUMBER NETS
Raywarp NYLON
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Raywarp R14 REAL SILK
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B8 Raywarp
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ALFRED ST. NORTH · NOTTINGHAM

For the relief of pain . . .

Optalidon

★ **Headache**

★ **Toothache**

★ **Dysmenorrhoea**

★ **Post-operative pain**

★ **Insomnia due to pain**

Dosage : 1-2 tablets at a time, but not more than 6 daily

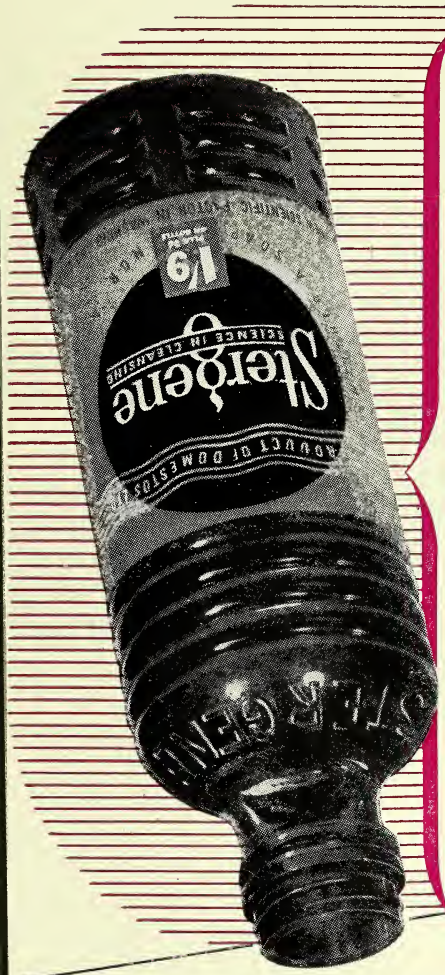
Tubes of 10. Bottles of 25, 100 and 250 tablets

Literature and samples available on request

SANDOZ

Sandoz Products Ltd.

134, *Wigmore Street,* *London, W.*1



Empty Stergene Bottles

Push Profits Up!

Every empty Stergene bottle you collect qualifies for the special Handling Allowance recently introduced. Each empty Stergene bottle, therefore, can mean *extra* profit per bottle sold. Please ask your customers to return an empty Stergene bottle whenever they buy a new one—make the most of the Stergene bottle bonus.

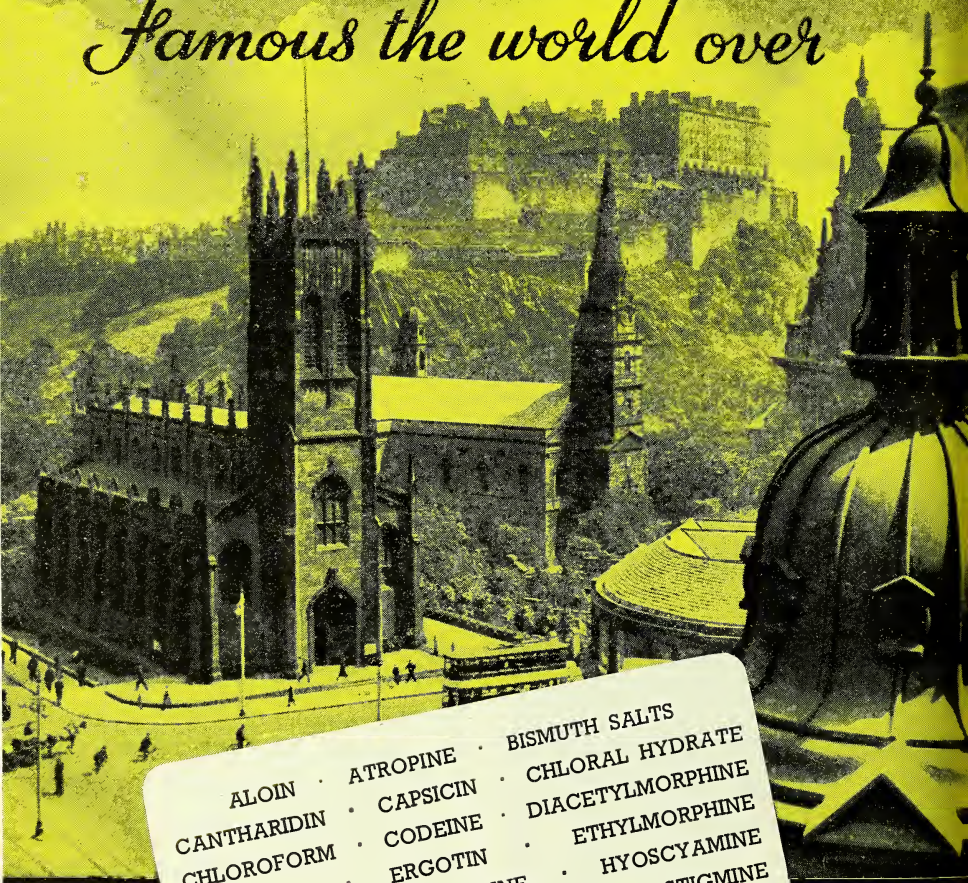
AT YOUR SERVICE

Domestos Ltd. service ensures regular delivery of Domestos and Stergene and regular collection of all empty bottles.

Stergene
SCIENCE IN CLEANSING

A PRODUCT OF DOMESTOS LIMITED, NEWCASTLE UPON TYNE, 6.

Famous the world over



Edinburgh Castle from the West

ALOIN	ATROPINE	BISMUTH SALTS
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T&H SMITH LTD
BLANDFIELD CHEMICAL WORKS · EDINBURGH

Manufactured in Edinburgh by

T.&H.SMITH LTD

at Blandfield Chemical Works

OF THE 8,000,000 ★ WOMEN THIS ADVERTISING WILL REACH...

few will resist its appeal

Camilatone Toning Shampoos have a remarkable double-action :— (1) The PURE SOAP content of the Shampoo gently eases all dirt from the hair, without damaging the natural oils; (2) The special Tonrinz after-shampoo rinse that's included in every pack brings to your hair those rich, natural colours you thought had faded forever. Shampoo and Rinse together cost only 8d., and there are eight lovely shades to choose from. TONRINZ is also available separately—price 4d.

Camilatone TONING SHAMPOO *including* TONRINZ

shows hair in its true colour

Camilatone Limited, Edgware Road, Welsh Harp, London, N.W.

★ 8,000,000 sounds a fantastic number! But during the first six months of 1951 the popular women's magazines carrying this advertising will reach just that number of women! Young or old, those women want to keep the natural sparkle in their hair. And from this forceful national appeal they are discovering that Camilatone shows hair in its true colour — and costs only 8d for Shampoo *and* Tonrinz!

Camilatone Toning Shampoos and Tonrinz are both made in eight natural shades for all colours of hair. There is one to suit every customer — so be prepared to meet their demand. Order your stocks of Shampoo and Rinse now!

Camilatone Ltd., Edgware Road, Welsh Harp, London, N.W.9

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

ETHICAL PROPRIETARIES

SMITH & HILL
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ANIS OIL
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CINCHONA BARK
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MENTHOL CRYSTALS
ORANGEPEEL
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SAGE LEAVES
STROPHANTHUS SEED
TONQUIN BEANS
and all other crude Drugs, Essential Oils and Spices.

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24 OLD BROAD STREET, LONDON, E.C.2
Telephone: LONdon Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London"
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WE WANT MILLAMALT

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD., *Leyland Mills, Wigan. (London Dept. 19 Brookside Rd. N.19)* BECAUSE OF THE BUTTERSCOTCH FLAVOUR

D.C.L. VITAMIN B_1 YEAST TABLETS

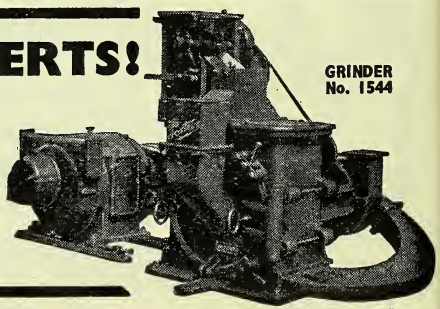
Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 ngm. of Riboflavin, and 8·0 ngm. Nicotinic Acid. Each Tablet contains 100 I.U. (approx.) Vitamin B_1.
100 TABLETS 3s. 9d.
50 TABLETS 2s. 3d.
THE DISTILLERS CO., LTD. EDINBURGH.

OPTICAL TUITION
For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations
Particulars:—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

CALL IN THE EXPERTS!

The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now!

GEORGE PORTEUS & SONS (Leeds) LTD
Provender Milling Specialists
LEEDS BRIDGE WORKS, LEEDS 10



GRINDER No. 1544

G.P 7a

POPULAR 'POLY-TAINER' . . .

As advertised in Vogue, Harpers Bazaar, and other fashion and beauty periodicals

the NIVEA Beauty Pack

LOVELY-TO-THE-TOUCH!

A descriptive name, an unusually light-weight, and a good 4-oz. content. 'Poly-tainer' is already well-launched, and the unbreakable, opaque white Polythene jar has pride of place on many a smart dressing table. Glamour packs for Nivea mean new business for you, from the many dressing-table-conscious women who prefer their cream in a jar. Your share of this new trade can be substantial.

How are your stocks? *'Poly-tainer' retails at 8s. 4d. per 4-oz. jar, trade price 40s. per dozen, plus tax.*

***Skin needs* NIVEA**

GNT-94

HERTS PHARMACEUTICALS LIMITED · WELWYN GARDEN CITY · HERTS

the **BEATSON**

Ribbed Oval . .

The new Beatson Ribbed Oval carries on the tradition of the increasingly popular Beatson Medical.

Available in a wide range of sizes both Cork Mouth and Screw Neck, with either White Enamelled or Black Bakelite Caps.

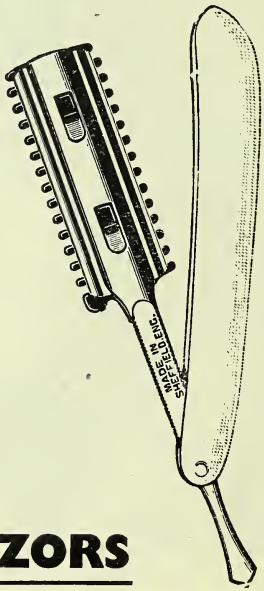
BEATSON, CLARK & CO. LTD.

Manufacturers of Chemical and Medical Glass

ROTHERHAM · *Established 1751* · **YORKS**

BC73

DURHAM-DUPLEX RAZOR CO., LTD.



RAZORS

The Durham-Duplex Razor is still being manufactured. The present shortage of raw materials may restrict this production, but every effort is being made to hold our present standard.

BLADES

There is no shortage at the moment of the Durham-Duplex Blades, production is increasing and we are hoping to give immediate delivery in the near future.

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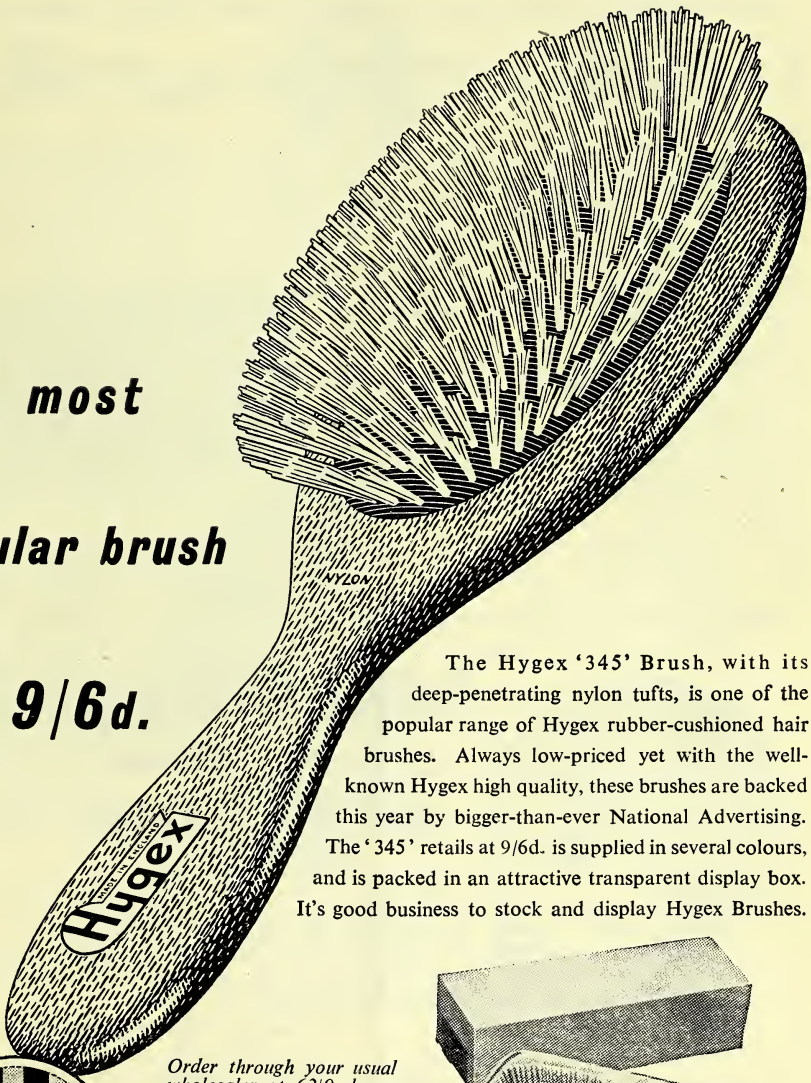

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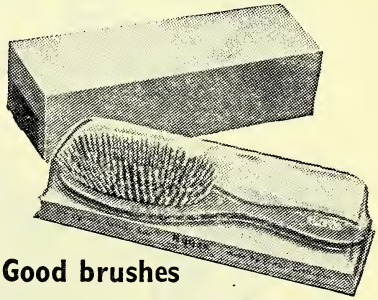

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Nicotinamide	10.0 mg.

The average dose for children is half c.c. (or 12 drops) starting with 4 to 6 drops a day, taken in milk or any other fluid considered suitable.

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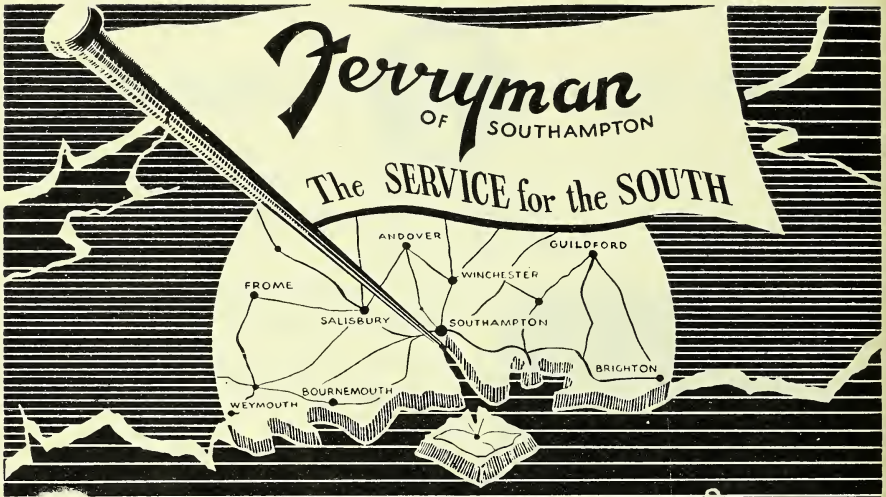

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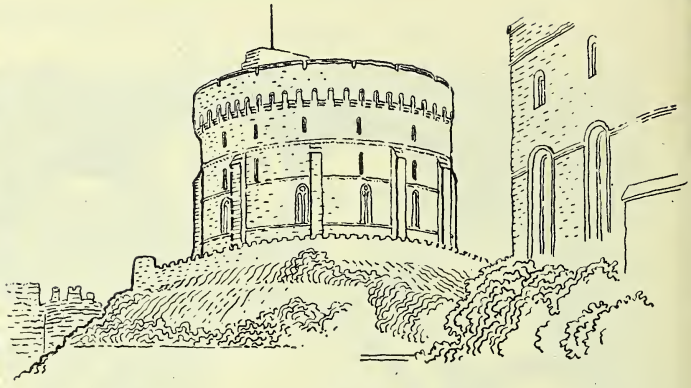

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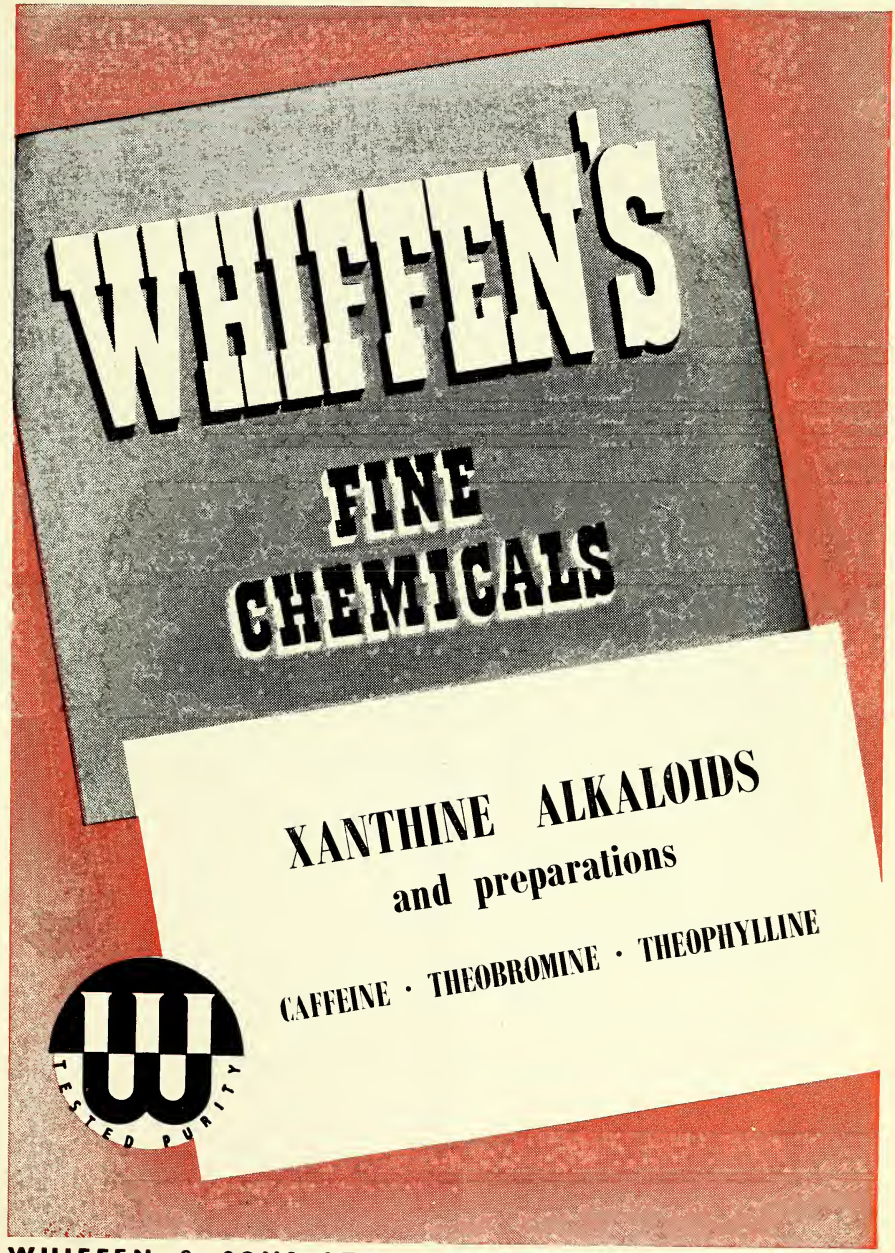

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